

30 June 2025

Guardian Metal Resources plc

('Guardian Metal' or the 'Company')

Tempiute Mine Project - Significant Assay Results

Very High Grade Tungsten and Gallium Mineralisation Confirmed Across Multiple High-Impact Project Areas

Guardian Metal Resources plc (LON:GMET,OTCQX:GMTLF), a strategic mineral exploration development company focused on tungsten in Nevada, USA, is pleased to announce assay results from the Tempiute tungsten project ("Tempiute" or the "Project") and newly staked exploration targets. Tempiute, formerly known as the Emerson Tungsten Mine, is located in south-central Nevada less than 250 miles (402 km) southeast of the Company's Pilot Mountain tungsten project.

As part of its systematic evaluation of Tempiute-historically one of the top tungsten-producing mines in the United States-Guardian Metal has identified multiple new zones of exposed tungsten mineralisation. Through direct claim staking, the Company has significantly expanded its land position by staking 31 additional Bureau of Land Management ("BLM") Mining Claims. Geochemical sampling of these newly identified areas has confirmed the presence of significant tungsten mineralisation. As a result, the Company has further strengthened its 100%-owned and optioned property portfolio across this exciting district.

Guardian Metal engaged Dr. Lawrence Carter to conduct a geological field review of the Tempiute Project and surrounding targets identified during the Company's recently completed regional desktop exploration programme. Dr. Carter's initial field observations, along with the Company's subsequent staking of additional claims to secure newly verified targets, were announced on 30 April 2025.¹

Oliver Friesen, CEO of Guardian Metal, commented:

"These exciting results from Tempiute highlight how much untapped potential remains in one of America's most historically significant tungsten districts. As we continue advancing both Tempiute and Pilot Mountain at pace, Guardian Metal remains focused on a clear mission: to bring mined tungsten supply back to U.S. soil, reduce reliance on foreign sources, and help build a secure, resilient domestic supply chain for the future."

HIGHLIGHTS

- **High grade tungsten mineralisation confirmed along >1,300 m strike length** of outcropping skarn at Tempiute where historic underground mining was carried out up to 350m below surface. Rock chip samples returned assay values up to 0.94% tungsten trioxide (WO₃) (Table 1).
- Notably, historical reports highlighted the gallium (Ga) potential across Tempiute but this metal was not routinely assessed. The Company's 2025 sampling has **confirmed significant gallium** results across the historically mined horizon with samples up to 90 ppm Ga.
- **High grade tungsten and gallium skarn mineralisation confirmed at newly claimed exploration targets** named the 'East Zone' located along the east margins of the Tempiute north quartz monzonite stock including results up to **1.2% WO₃ with 90 ppm Ga** and **0.87% WO₃ with 100 ppm Ga** (Table 1). The 'East Zone' represents a new high-impact underexplored area for future exploration that is 100% owned.
- New grab samples from **"truck-ready" historic ore stockpiles contain up to 0.40% WO₃ and 60 ppm Ga**, and samples from a sulphide rich stockpile contained up to 7,960 ppm Zn. These supplement previous stockpile samples of up to 1.50% WO₃ and 70 ppm Ga (Table 2).
- Auger sampling of the historical Tempiute tailings material has identified **strongly elevated results for gallium, tungsten and zinc down the entire 9.75 m deep auger hole** (Table 3). Further auger test holes have already been commissioned and are underway.

- **Porphyry-style Mo mineralisation confirmed** with zones of stockwork quartz-molybdenite-pyrite veins in quartz-sericite-pyrite (QSP) altered quartz monzonite veins containing up to 4,300 ppm Mo. Both north and south quartz monzonite intrusions are geochemically 'fertile' from a porphyry system perspective and further details will be covered in a future announcement.
- High grade tungsten skarn mineralisation confirmed at the newly staked Worthington system with highlight results up to **2.66% WO₃ along with 1.39% Zn and 2,110 ppm Mo** (Table 4).

HIGH GRADE TUNGSTEN AND GALLIUM SKARN MINERALISATION AT TEMPIUTE

At the Tempiute mine area, garnet-pyroxene skarn was traced in outcrop for over a 1,300 m distance, along the contact between the south Cretaceous-aged quartz monzonite intrusion and the host limestones. Rock chip samples were collected along the entire 1,300 m outcrop. Geochemical analysis confirmed consistent results >0.19% WO₃ along the strike length, with sample highlights of up to 0.94% WO₃. Significantly, gallium (Ga) is also consistently >60 ppm along the strike length, with an individual sample returning a high of 90 ppm Ga (Table 1).

Dr. Carter's fieldwork identified multiple new zones of outcropping garnet skarn mineralisation along the southern, eastern, and northern margins of the north quartz monzonite stock. These newly discovered zones were subsequently secured through additional BLM claim staking by the Company. Rock-chip samples collected from these outcrops and newly acquired claims returned very high-grade tungsten and encouraging gallium values, including 1.20% WO₃ with 90 ppm Ga and 0.87% WO₃ with 100 ppm Ga. While some of these skarns show signs of limited historical mining, others appear entirely unworked. No evidence of past drilling was observed, suggesting these zones remain largely unexplored. As such, these new claims present a significant opportunity for Guardian Metal to enhance the value of the broader Project area.

Table 1: Summary of selected rock chip samples of outcropping skarn from across the Tempiute project.

Sample ID	Latitude	Longitude	Lithology	WO ₃ (%)	Zn (ppm)	Mo (ppm)	Ga (ppm)
LC-TP-03*	37.62968	-115.62927	Skarn, gossanous	0.94	539	65	10
LC-TP-05	37.65063	-115.63186	Skarn, coarse Mo	0.02	403	50	60
LC-TP-06	37.64087	-115.63178	Garnet skarn	0.22	12200	98	90
LC-TP-15	37.63397	-115.63085	Skarn, gossanous	0.24	171	12	40
LC-TP-17	37.63340	-115.63028	Garnet skarn	0.11	202	11	70
LC-TP-18	37.63452	-115.63161	Garnet skarn	0.78	1315	703	60
LC-TP-19	37.63487	-115.63135	Garnet skarn	0.02	220	3	30
LC-TP-20	37.63621	-115.63325	Skarn, coarse Mo	0.03	1230	4190	20
LC-TP-23	37.64268	-115.62888	Garnet skarn	0.03	577	45	30
LC-TP-24	37.64269	-115.62890	Garnet skarn	0.70	22300	88	80
LC-TP-26	37.64131	-115.63099	Banded skarn	0.09	1530	10	50
LC-TP-29	37.64012	-115.63236	Garnet skarn	0.25	1075	9	70
LC-TP-30	37.63220	-115.62864	Garnet skarn	0.02	310	9	70
LC-TP-31*	37.63195	-115.62870	Garnet skarn	0.04	181	7	50
LC-TP-32*	37.63141	-115.62754	Garnet skarn	0.13	162	10	60
LC-TP-33*	37.63118	-115.62632	Gossan	0.37	6260	88	10
LC-TP-35*	37.62960	-115.62740	Gossan	0.27	3130	153	10
LC-TP-41*	37.65316	-115.62138	Garnet skarn	0.02	822	4	70
LC-TP-42*	37.65155	-115.62095	Garnet skarn	0.01	438	2	50
LC-TP-43*	37.65092	-115.62080	Garnet skarn	1.20	4230	38	90
LC-TP-45*	37.64517	-115.62265	Garnet skarn	0.87	4720	60	100
LC-TP-46*	37.64530	-115.62312	Garnet skarn	0.05	1760	15	50
LC-TP-50*	37.65661	-115.62527	Garnet skarn	0.03	669	15	40
LC-TP-52	37.64216	-115.62949	Garnet skarn	0.13	15050	53	40
LC-TP-53	37.64218	-115.62946	Gossanous veins	0.59	403	157	30

Analysis by ALS' ME-ICP61. Samples over >1500 ppm W (>0.19% WO₃) re-run by ALS' XRF15c. W concentrations determined by ICP-AES converted to % WO₃ by stoichiometric calculation.

STOCKPILES

New grab rock samples were collected from the numerous historical ore stockpiles around the Project.

Individual samples from a stockpile located immediately adjacent to the crusher site, include: 0.16% WO₃ with 60 ppm Ga, 0.33% WO₃ with 40 ppm Ga and 3.97% Zn, and 0.40% WO₃. Two grab samples collected from a separate sulphide/gossan rich stockpile, recently claim staked by the Company, contain 7,960 ppm Zn with 0.04% WO₃, and 3,020 ppm Zn with 0.08% WO₃ ppm (Table 2). These add to stockpile samples previously collected by the Company and reported on 18 December 2024² (Table 2) which included up to 1.50% WO₃ and 70 ppm Ga.

These stockpiles are alongside the existing roads and are deemed, by the Company, to be "truck-ready" for transport to a processing facility. Guardian is exploring potential options to process this material in the shortest timeframe possible, given that they could represent the only domestic primary mined source of tungsten in the USA.

Table 2: Summary of selected grab samples collected from Tempiute stockpiles.

Sample ID	Latitude	Longitude	Sample Description	WO ₃ (%)	Zn (ppm)	Cu (ppm)	Ga (ppm)
LC-TP-09	37.63723	-115.62363	Gossan stockpiled	0.04	7960	214	10
LC-TP-10	37.63777	-115.62342	Gossan stockpiled	0.08	3020	90	20
LC-TP-14	37.63449	-115.63111	Garnet skarn stockpiled	0.15	282	1	30
LC-TP-39	37.63934	-115.63264	Garnet skarn stockpiled	0.33	39700	30	40
LC-TP-40	37.63917	-115.63282	Garnet skarn stockpiled	0.16	444	18	60
LC-TP-54	37.65091	-115.63121	Coarse Garnet skarn stockpiled	0.01	279	3	40
LC-TP-55	37.65078	-115.63142	Banded skarn stockpiled	0.40	1025	65	10
OF-01*	37.65069	-115.63148	Gossanous skarn, stockpiled	0.37	1320	628	20
OF-02*	37.65065	-115.63142	Gossanous skarn, stockpiled	0.55	523	479	20
OF-03*	37.64212	-115.62945	Semi-massive sulphide, stockpiled	0.25	213	3580	20
OF-04*	37.64214	-115.62943	Garnet skarn, stockpiled	0.04	139	43	80
OF-05*	37.63454	-115.63109	Skarn, coarse Mo, stockpiled	0.11	648	24	30
OF-06*	37.63454	-115.63109	Garnet skarn, stockpiled	0.48	2960	22	20
OF-07*	37.63644	-115.63382	Garnet skarn, stockpiled	1.50	3720	32	60
OF-09*	37.63643	-115.63381	Semi-massive sulphide, stockpiled	0.31	238	805	10
OF-10*	37.63643	-115.63381	Semi-massive sulphide, stockpiled	0.03	259	1975	10
OF-11*	37.63952	-115.63238	Gossanous skarn, stockpiled	0.36	768	1905	20
OF-13*	37.63958	-115.63255	Garnet skarn, stockpiled	0.31	220	17	60
OF-14*	37.63957	-115.63255	Semi-massive sulphide, stockpiled	0.01	366	1740	20
OF-15*	37.63920	-115.63256	Garnet skarn, stockpiled	0.94	5510	24	70
Analysis by ALS [®] ME-ICP61. Samples over >1500 ppm W (>0.19 % WO ₃) re-run by ALS [®] XRF15c. W concentrations determined by ICP-AES converted to % WO ₃ by stoichiometric calculation. *Previously collected samples, partly reported by the Company 18 December 2024 ²							

TESTING OF TAILINGS

The Company completed the first ever known sampling of the historical Tempiute mine tailings material with a view to assess the potential to re-process that material. A total of two auger holes, in a single location have been completed to date, the first hole, DH-01, was shut down early due to technical issues, auger hole DH-02 resampled the same location.

Across DH-02 a total of 9.75 m (32 feet) were sampled with assay results returning highly elevated gallium, zinc and tungsten throughout the auger hole, including highlight assays up to 745 ppm WO₃, 4,560 ppm Zn and 43 ppm Ga. Of particular note is the consistently elevated Ga results throughout the auger hole. In light of these positive results, the Company has expanded the sampling programme with further test auger holes currently in progress and with analytical results to follow. A key next step, following the receipt of additional results, will be to assess the metallurgy and evaluate processing options for recovering residual metals from the tailings. Planning is currently underway to advance this phase of the programme.

phase of the programme.

Table 3: Summary of selected Tempiute historic tailings drilling results.

Sample ID	Hole	Latitude	Longitude	WO ₃ (ppm)	Zn (ppm)	Ga (ppm)
TP-T-03	DH-02	37.65941	-115.64525	745	4840	30.3
TP-T-05	DH-02	37.65941	-115.64525	510	4560	34.4
TP-T-07	DH-02	37.65941	-115.64525	355	3090	41.5
TP-T-09	DH-02	37.65941	-115.64525	292	2560	43.2
TP-T-11	DH-02	37.65941	-115.64525	239	2390	42.4

W and Ga analysis by ALS' ME-MS81. W concentrations determined by ICP-MS converted to % WO₃ by stoichiometric calculation. Zn by ALS' ME-MS61L.

HIGH GRADE TUNGSTEN SKARN MINERALISATION CONFIRMED AT NEWLY STAKED SATELLITE CLAIMS, WORTHINGTON

The Company's regional exploration programme led to BLM Mining Claim staking of the Worthington skarn system, 34 km north of Tempiute, in the Worthington Mountains. During the programme Dr Carter mapped and sampled the outcropping garnet-pyroxene skarn for a c. 400 m distance at a granite-limestone contact along a ridge side. The area appears to be completely unexplored beyond one very short adit and shaft.

Highlights from the rock-chip samples of the mineralised skarn include: 2.66% WO₃ with 1.39% Zn and 2,110 ppm Mo; and 1060 ppm Zn with 9.1 g/t Ag (Table 4).

The Company is following up these very promising assay results with further detailed geological field work to better delineate and understand the high grade tungsten skarn mineralisation across the Worthington claims.

Table 4: Summary of selected rock chip samples of outcropping skarn at Worthington

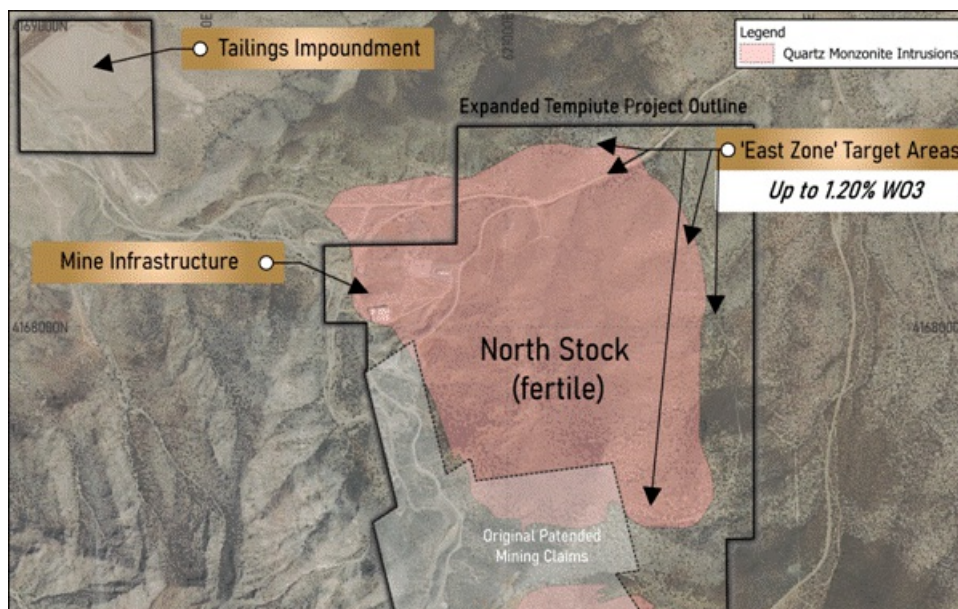
Sample ID	Latitude	Longitude	WO ₃ (%)	Zn (ppm)	Ag (g/t)	Cu (ppm)	Mo (ppm)
LC-WRT-01	37.95870	-115.61130	2.66	13850	<0.5	25	2110
LC-WRT-07	37.95487	-115.61055	<0.1	1060	9.1	11	1

ANALYTICAL METHODS

The samples from outcrop and stockpiles were assayed by ALS Laboratories method ME-ICP61 (four acid digest followed by ICP-AES). High grade tungsten samples (>1,500 ppm W) were re-run by ALS method XRF15c (XRF after Li borate fusion), which provides a much more effective digestion of scheelite than four acid digest, and therefore provides a better representation of actual tungsten concentration.

Auger samples from the Tempiute tailings were analysed by ALS method ME-MS61L (ICP-MS after four acid digest) and ALS' MS81 (ICP-MS after Li fusion).

MEDIA



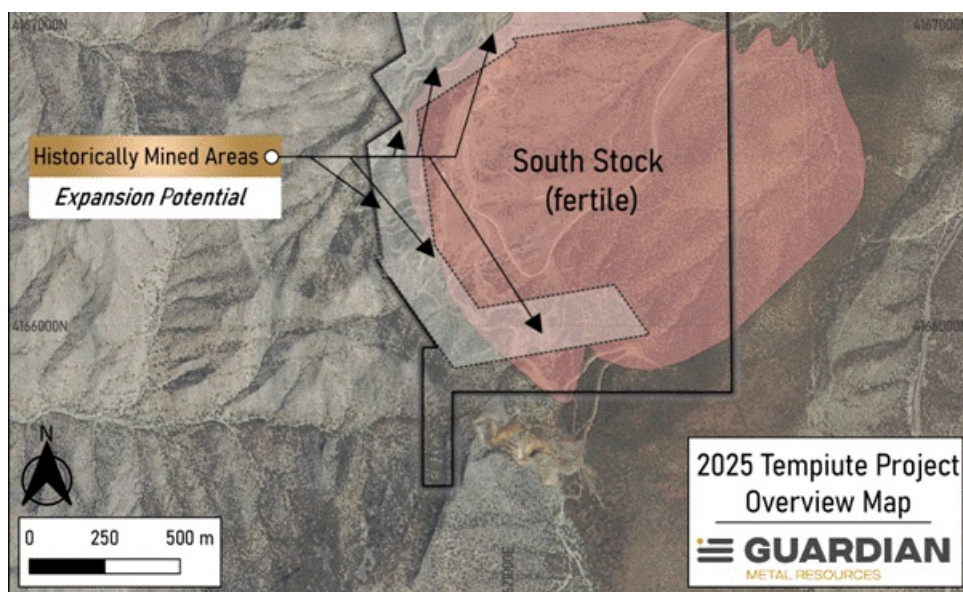


Figure 1: Tempiute Overview Map

COMPETENT PERSON STATEMENT

The technical information contained in this disclosure has been read and approved by Mr Nick O'Reilly (MSc, DIC, MIMMM QMR, MAusIMM, FGS), who is a qualified geologist and acts as the Competent Person under the AIM Rules - Note for Mining and Oil & Gas Companies. Mr O'Reilly is a Principal consultant working for Mining Analyst Consulting Ltd which has been retained by Guardian Metal Resources plc to provide technical support.

REFERENCES

¹ <https://www.londonstockexchange.com/news-article/GMET/tempiute-mine-project-geological-update/17012358>

² <https://www.londonstockexchange.com/news-article/GMET/tempiute-mine-mill-project-due-diligence-update/16816727>

This announcement contains inside information for the purposes of Article 7 of EU Regulation 596/2014 (which forms part of domestic UK law pursuant to the European Union (Withdrawal) Act 2018). The Directors of the Company are responsible for the contents of this announcement.

Forward Looking Statements

This announcement contains forward-looking statements relating to expected or anticipated future events and anticipated results that are forward-looking in nature and, as a result, are subject to certain risks and uncertainties, such as general economic, market and business conditions, competition for qualified staff, the regulatory process and actions, technical issues, new legislation, uncertainties resulting from potential delays or changes in plans, uncertainties resulting from working in a new political jurisdiction, uncertainties regarding the results of exploration, uncertainties regarding the timing and granting of prospecting rights, uncertainties regarding the timing and granting of regulatory and other third party consents and approvals, uncertainties regarding the Company's or any third party's ability to execute and implement future plans, and the occurrence of unexpected events.

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