Quantum Completes Second Airborne Survey at NMX East Project in Quebec

written by Raj Shah | October 2, 2025

Initial Airborne Survey Confirms Magnetic Anomaly Similar to Nisk Deposit

October 2, 2025 (Source) – Quantum Critical Metals Corp. (TSX.V: LEAP | OTCQB: ATOXF | FSE: 86A1) ("**Quantum**" or the "**Company**") is pleased to announce that, further to the news of September 22nd, 2025 the Company has successfully completed a MAG-TDEM (magnetic-time domain electromagnetic) airborne survey on its wholly owned NMX East Property in Northern Québec.

During September, Quantum completed two airborne surveys at NMX East:

1. an electro magnetic ("**EM**") very low frequency electromagnetic ("**VLF**") and magnetic geophysical survey to validate historical government data and enhance geological targeting; followed by
2. a MAG-TDEM airborne survey to obtain additional high-resolution data to allow a better definition of EM anomalies for improved design of drill targets aimed at Ni-PGE mineralization, similar to that of neighbouring Power Metallic Mines (TSX-PNPN).

The magnetic anomaly from the first airborne survey prompted Quantum to undergo an immediate follow up investigation, requiring a second airborne survey. The second TDEM system survey detected good quality bedrock conductors at greater depth

than was previously possible with the VLF-EM technology.

Nickel and PGE are commonly searched for with airborne and magnetic surveys to help locate the rock types of interest (Vallée et al. 2024). The NMX East Property is located in a James Bay region of Québec which has a known source of lithium, nickel and platinum group elements ("**PGE**").

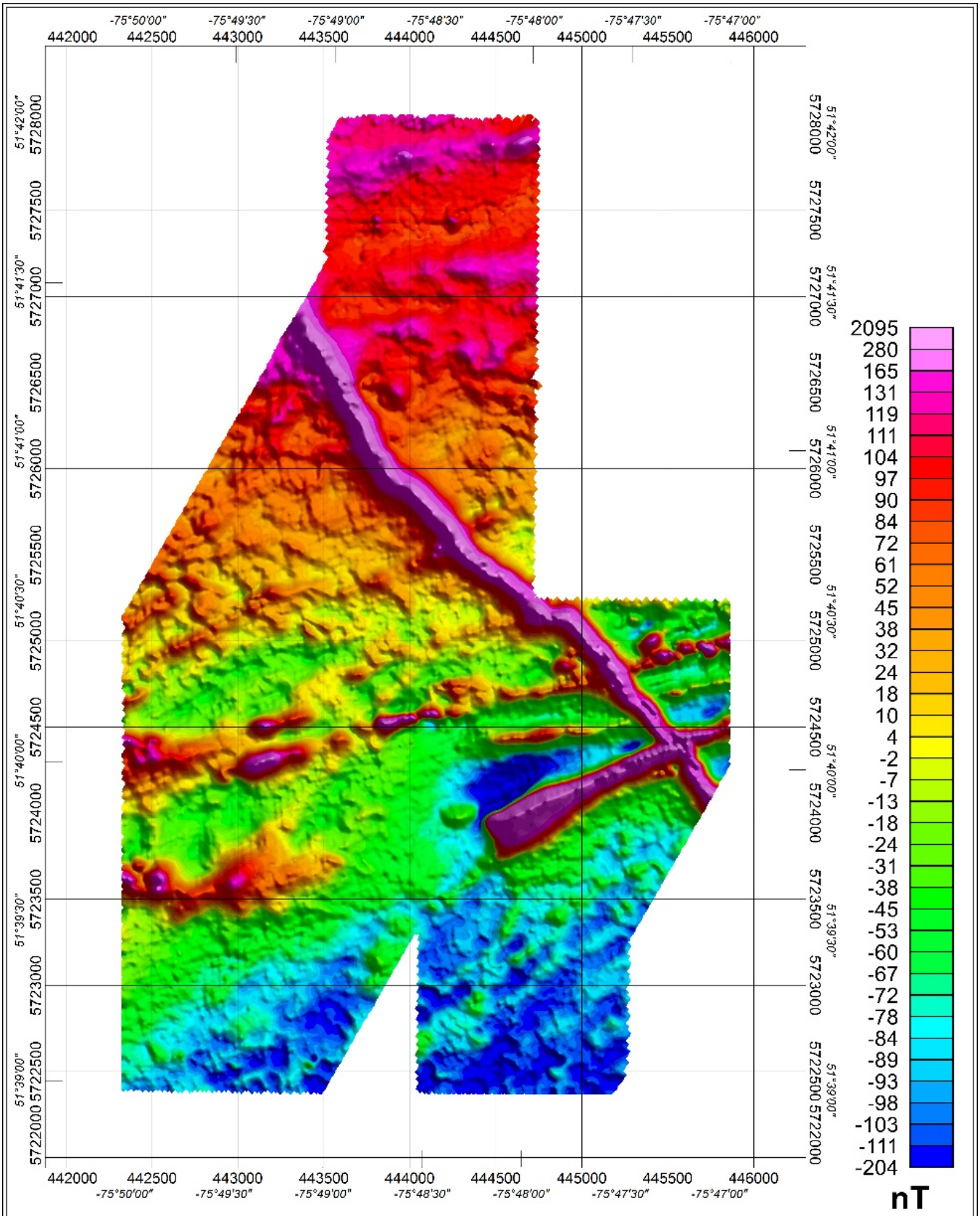
The map below was generated during the first round of geophysics and confirms a magnetic anomaly on Quantum's NMX East Property which is **similar in amplitude, strike, shape and size, to the anomaly found at the Nisk deposit** (Figure 1), based on public results from another MAG-TDEM survey performed over Nisk (Dubé, 2023).

Next Steps: Drill Permits

Quantum is in the midst of planning detailed drill targets for the NMX East and intends to apply for drill permits in the upcoming weeks.

CEO Marcy Kiesman stated:

"It is encouraging for shareholders that a magnetic anomaly on the NMX East Property is similar in amplitude, strike, shape and size to the anomaly found at the neighbouring Nisk deposit. With the significant amount of activity undertaken in the surrounding James Bay area this season, we look forward to continuing to provide our shareholders with further updates in the weeks and months to come."



novatem
airborne geophysics

Scale 1:25000

250 0 250 500 750

(meters)

WGS 84 / UTM zone 18N

Quantum Critical Metals - NMX East Project

Anomalies

Novatem G2 very high resolution magnetic and VLF-EM survey

Projection : UTM 18N

Click Image To View Full Size

References

Dubé, J. (2023). *Technical Report, Heliborne Magnetic and TDEM Survey, Nisk Project*. Québec MERN Sigeom reference GM73789. https://gq.mines.gouv.qc.ca/documents/EXAMINE/GM73786/GM73786RAP001.pdf

Vallée, M. A., Moussaoui, M., & Khan, K. (2024). *Case Studies of Magnetic and Electromagnetic Techniques Covering the Last Fifteen Years*. Minerals, **14**(12), 1286. https://doi.org/10.3390/min14121286

Qualified Person

Joël Dubé, P.Eng., an independent professional of Dynamic Discovery Geoscience consulting for the Company, is the Qualified Person who has reviewed and approved the scientific and technical disclosure in this news release.

About Quantum Critical Metals Corp.

Quantum Critical Metals Corp. (TSX.V: LEAP) (OTCQB: ATOXF) (FSE: 86A1) is a Canadian mineral exploration company focused on advancing critical metals projects that power next-generation technologies. With a growing portfolio of promising assets—including the NMX East Gallium-Rubidium-Cesium Project in Québec, the Discovery Gallium-Rubidium-Cesium and polymetallic project in Québec, the Victory Antimony Project in British Columbia, and the newly acquired Prophecy Germanium-Gallium-Zinc Project in British Columbia, among others, the Company is strategically positioned to support the West's transition to a secure and sustainable critical metals supply.

To stay updated on Quantum's latest developments, sign up for our mailing list and

visit www.quantumcriticalmetals.com and www.sedarplus.com.

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