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Quantum Visits Babine Copper Projects, BC

Vancouver, BC – August 20, 2025 – Quantum Critical Metals Corp. (TSX.V: LEAP | OTCQB: ATOXF | FSE: 86A1) ("Quantum" or the "Company") is pleased to announce that crews have been dispatched to complete site visits on its Babine copper projects north of Smithers, B.C. The objectives for the site visits are to establish access to the properties and to locate and verify previous Minfile showings while continuing geological mapping and undertaking grab samples where possible on the claims.

Babine North

The Babine North property covers the historic Friday Red copper B.C. Minfile showing, which hosts disseminated chalcopyrite within a unit of volcanic rocks. It is located 90 km east of Hazelton, B.C. The geology consists of volcanic rocks interbedded with mudstones of the Lower Jurassic Telkwa Formation, intruded by a highly magnetic feldspar porphyry dike.

Babine East

The Babine East package is situated along the western side of the northwest arm of Takla Lake and hosts the Adda B.C. Minfile showing. Historical assays reported 5.49 g/t silver and 10.6% copper from veins of chalcopyrite measuring 5–7.6 cm in width.

Babine South & Swift

The Babine South property covers the B.C. Minfile Bol showing on the north side of Babine Lake, where historical sampling yielded silver values up to 2,790 g/t (99.6 oz/t). The geology is Cache Creek greenstone, with mineralization occurring in quartz-carbonate veins and shears within foliated greenstone, hosting galena, sphalerite, tetrahedrite, chalcopyrite, native silver, pyrrhotite, and pyrite.

The Babine Swift property covers 487 hectares and hosts a historic Minfile showing with several styles of mineralization. Disseminated chalcopyrite and pyrite are hosted in andesite intermittently over 2 km. Stringer quartz occurs with chalcopyrite, quartz-carbonate veins range from a few centimetres to 1.5 metres wide with hematite and trace chalcopyrite, and massive sulfide boulders are also present. Grab samples returned 0.46–1.28% copper, 11.6–14.8 g/t silver, and 0.13–2.15 g/t gold.

Babine West

The Babine West property covers 2,300 hectares and borders the western side of American Eagle's NAK deposit (TSXV: AE) and Amarc Resources' Duke Property (TSXV: AHR). Results from 2024 exploration on this project were reported in a news release dated March 13, 2025.

Qualified Person

Melane Mackay, P.Geo., is the Qualified Person who has reviewed and approved the scientific and technical disclosure in this news release.

CEO Marcy Kiesman stated, "Quantum continues to advance its portfolio of critical metal projects to supply North America with critical minerals while developing opportunities for future joint ventures and collaborations with other mining companies. Geological mapping and outcrop sampling are essential early-stage exploration activities that set the stage for geophysics and drilling. We are eager to continue advancing these projects with our excellent field team."

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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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Forward-Looking Statements

This news release contains "forward-looking information or statements" within the meaning of applicable securities laws, which may include, without limitation, statements that address the upcoming work programs, and other statements relating to the business, financial and technical prospects of the Company. All statements in this news release, other than statements of historical facts that address events or developments that the Company expects to occur, are forward-looking statements. Although the Company believes the expectations expressed in such forward-looking statements are based on reasonable assumptions, such statements are not guarantees of future performance and actual results may differ materially from those in the forward-looking statements.

Such forward-looking information reflects the Company's views with respect to future events and is subject to risks, uncertainties and assumptions, including those filed under the Company's profile on SEDAR at **www.sedarplus.com**. Factors that could cause actual results to differ materially from those in forward-looking statements include, but are not limited to, continued availability of capital and financing and general economic, market or business conditions. The Company does not undertake to update forward-looking statements or forward-looking information, except as required by law.