

NEWS RELEASE

April 21, 2020 FOR IMMEDIATE RELEASE TSX: JAG

Jaguar Mining Completes Filing of Annual Information Form

Toronto, April 21, 2020 – Jaguar Mining Inc. ("Jaguar" or the "Company") (TSX: JAG) announces that the Company has filed its annual information form for the year ended December 31, 2019 (the "AIF"), which adds additional disclosure to the December 31, 2019 annual financial statements and management discussion and analysis already filed by the Company on March 30, 2020 and available on SEDAR.

Jaguar is normally required under Section 6.2 of National Instrument 51-102 – *Continuous Disclosure Requirements* to file its AIF by the 90th day after the Company's most recently completed financial year. However, as previously disclosed in the Company's news release dated March 30, 2020, due to the business restrictions and operational challenges resulting from the outbreak of the COVID-19 pandemic, the Company elected to rely on the temporary blanket relief published by Canadian securities regulators to file its AIF.

As required by Ontario Instrument 51-502 – *Temporary Exemption from Certain Corporate Finance Requirements* ("**Ontario Instrument 51-502**"), Jaguar confirms that there have been no material business developments since March 30, 2020 (being the date of the Company's last news release required by Ontario Instrument 51-502).

About Jaguar Mining Inc.

Jaguar Mining Inc. is a Canadian-listed junior gold mining, development, and exploration company operating in Brazil with three gold mining complexes and a large land package with significant upside exploration potential from mineral claims covering an area of approximately 64,000 hectares. The Company's principal operating assets are located in the Iron Quadrangle, a prolific greenstone belt in the state of Minas Gerais and include the Turmalina Gold Mine Complex and Caeté Mining Complex (Pilar and Roça Grande Mines, and Caeté Plant). The Company also owns the Paciência Gold Mine Complex, which has been on care and maintenance since 2012. The Roça Grande Mine has been on temporary care and maintenance since April 2019. Additional information is available on the Company's website at www.jaguarmining.com.

For further information please contact:

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Forward-Looking Statements

Certain statements in this news release constitute "forward-looking information" within the meaning of applicable Canadian securities legislation. Forward-looking statements and information are provided for the purpose of providing information about management's expectations and plans relating to the future. All of the forward-looking information made in this news release is qualified by the cautionary statements below and those made in our other filings with the securities regulators in Canada. Forward-looking information contained in forward-looking statements can be identified by the use of words such as "are expected," "is forecast," "is targeted," "approximately," "plans," "anticipates," "projects," "anticipates," "continue," "estimate," "believe" or variations of such words and phrases or statements that certain actions, events or results "may," "could," "would," "might," or "will" be taken, occur or be achieved. All statements, other than statements of historical fact, may be considered to be or include forward-looking information. This news release contains

forward-looking information regarding, among other things, the success of exploration, development and mining activities. The Company has made numerous assumptions with respect to forward-looking information contained herein, including, among other things, assumptions set forth in the AIF and the Company's most recent management's discussion and analysis, as well as other public disclosure documents that can be accessed under the issuer profile of "Jaquar Mining" Inc." on SEDAR at www.sedar.com. Forward-looking information involves a number of known and unknown risks and uncertainties, including among others: the risk of Jaquar not meeting the forecast plans regarding its operations and financial performance, uncertainties with respect to the price of gold, labour disruptions, mechanical failures, increase in costs, environmental compliance and change in environmental legislation and regulation, weather delays and increased costs or production delays due to natural disasters, power disruptions, procurement and delivery of parts and supplies to the operations; uncertainties inherent to capital markets in general (including the sometimes volatile valuation of securities and an uncertain ability to raise new capital) and other risks inherent to the gold exploration, development and production industry, which, if incorrect, may cause actual results to differ materially from those anticipated by the Company and described herein. In addition, there are risks and hazards associated with the business of gold exploration, development, mining and production, including environmental hazards, tailings dam failures, industrial accidents and workplace safety problems, unusual or unexpected geological formations, pressures, cave-ins, flooding, chemical spills, procurement fraud and gold bullion thefts and losses (and the risk of inadequate insurance, or the inability to obtain insurance, to cover these risks). Accordingly, readers should not place undue reliance on forward-looking information.

The forward-looking information set forth herein reflects the Company's reasonable expectations as at the date of this news release and is subject to change after such date. The Company disclaims any intention or obligation to update or revise any forward-looking information, whether as a result of new information, future events or otherwise, other than as required by law. The forward-looking information contained in this news release is expressly qualified by this cautionary statement.