



NEWS RELEASE

August 9, 2018
FOR IMMEDIATE RELEASE

TSX: JAG

Jaguar Mining Releases 2017 Corporate Sustainability Report

Toronto, August 9, 2018 – Jaguar Mining Inc. ("Jaguar" or the "Company") (TSX: JAG) is pleased to release its 2017 Corporate Sustainability Report ("CSR"), which has a detailed and transparent account of the Company's performance and management of economic, environmental and social impacts of its operations located in Brazil to the end of December 31, 2017.

Rodney Lamond, President and Chief Executive Officer, Jaguar Mining commented: "Our approach to Corporate Sustainability encompasses a steadfast commitment to responsible and sustainable mining practices that are the cornerstone of our values embedded in our culture guiding everything we do. We strive to build strong relationships in our communities and continuously work to improve our safety practices to protect the health and safety of our employees. Minimizing our impact on the environment is an important priority and our duty. We are also relentless on building trust with all of our stakeholders."

Jaguar's 2017 CSR encompasses the Company's operations and is based on the guidelines of the Global Reporting Initiative. The report is available on Jaguar's website at www.jaguarmining.com/csr/social-responsibility-report.

The CSR maps and prioritizes 10 material subjects that reflect the Company's most significant areas of impact. These material subjects are grouped into three main chapters: People, Environment, and Dialogue and Relationships, reporting the Company's key results in 2017.

People

Jaguar's core belief includes operating to achieve production targets in an ethical and sustainable manner by always having a trained, motivated and refreshed team. This core principle generated positive results for the Company's workforce and people management indicators in 2017, reducing turnover and absenteeism rates across the board. The Company is also committed to diversity among its workforce across the operation.

Environment

mission is to create and grow sustainable value for its stakeholders. This mission guides all of the Company's environmental impact management activities and operational control systems.

Dialogue and Relationships

Our dialogue and relationships reflect the Company's ability to understand the concerns and needs of stakeholders while developing relevant actions and ensure sustainable performance. The Company continuously strives to devise new local development processes by integrating cultural, social, environmental and financial aspects, in addition to valuing tangible and intangible resources in the areas where we operate.

The Company established the "**Seeds of Sustainability Program**" covering 12 major social initiatives for the locations where the Company operates. More details on the Seeds of Sustainability program are available on the Company's website at www.jaguarmining.com/csr/estma-1.

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 2018. Additional information is available on the Company's website at www.jaguarmining.com.

The Iron Quadrangle

The Iron Quadrangle has been an area of mineral exploration dating back to the 16th century. The discovery in 1699–1701 of gold contaminated with iron and platinum-group metals in the southeastern corner of the Iron Quadrangle gave rise to the name of the town Ouro Preto (Black Gold). The Iron Quadrangle contains world-class multi-million-ounce gold deposits such as Morro Velho, Cuiabá and São Bento. Jaguar holds the second largest gold land position in the Iron Quadrangle with just over 25,000 hectares.

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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, expected sales, production statistics, ore grades, tonnes milled, recovery rates, cash operating costs, definition/delineation drilling, the timing and amount of estimated future production, costs of production, capital expenditures, costs and timing of the development of projects and new deposits, success of exploration, development and mining activities, currency fluctuations, capital requirements, project studies, mine life extensions, restarting suspended or disrupted operations, continuous improvement initiatives, and resolution of pending litigation. The Company has made numerous assumptions with respect to forward-looking information contained herein, including, among other things, assumptions about the estimated timeline for the development of its mineral properties; the supply and demand for, and the level and volatility of the price of, gold; the accuracy of reserve and resource estimates and the assumptions on which the reserve and resource estimates are based; the receipt of necessary permits; market competition; ongoing relations with employees and impacted communities; political and legal developments in any jurisdiction in which the Company operates being consistent with its current expectations including, without limitation, the impact of any potential power rationing, tailings facility regulation, exploration and mine operating licenses and permits being obtained and renewed and/or there being adverse amendments to mining or other laws in Brazil and any changes to general business and economic conditions. Forward-looking information involves a number of known and unknown risks and uncertainties, including among others: the risk of Jaguar 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.

For additional information with respect to these and other factors and assumptions underlying the forward-looking information made in this news release, see the Company's most recent Annual Information Form and Management's Discussion and Analysis, as well as other public disclosure documents that can be accessed under the issuer profile of "Jaguar Mining Inc." on SEDAR at www.sedar.com. 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.