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## **NEWS RELEASE**

**October 7<sup>th</sup>, 2021**

Trading Symbols:

TSX: AMM; NYSE American: AAU

[www.almadenminerals.com](http://www.almadenminerals.com)

### **Almaden Provides Update on Prospect Drilling at Ixtaca**

**Vancouver, B.C. Almaden Minerals Ltd. (“Almaden” or “the Company”;** **TSX: AMM; NYSE American: AAU)** is pleased to report initial results from the first hole drilled in 2021 in the Southeast Alteration Zone (“SE Alteration Zone”) of the Ixtaca property in Puebla State, Mexico. Drilling at Ixtaca has been planned to take a phased approach and will initially focus on targets established at the SE Alteration Zone which is located approximately one kilometre from the Ixtaca deposit area (See Figure 1).

After the first hole was abandoned in altered volcanic at 75.59m depth, the second hole of the program, TU-21-552 was drilled to a depth of 785.77 m. This hole encountered a highly altered volcanic unit overlying basement shaley carbonate sedimentary rocks, the transition to which is marked by a basal conglomerate breccia. This geologic succession is also seen in the Ixtaca deposit area. Anomalous pathfinder elements as well as some short intervals of elevated gold values were returned from the highly altered volcanic rocks. Immediately beneath the volcanic unit several dykes were intersected crossing the shale. These dykes are altered, veined and pyritised and are interpreted to be similar to the altered dykes seen in the Ixtaca deposit area. Highly altered and pyritised dykes were also intersected near the end of the hole. Hole TU-21-552 is interpreted to have cut the upper reaches of a large high level epithermal alteration zone. Further drilling is planned and ongoing elsewhere in the SE alteration as exploration continues for new as yet undiscovered vein systems. An interpreted section for hole TU-21-552 is provided in the news release along with a plan showing the SE Alteration Zone and drillhole locations. Additional more detailed sampling is being planned on as yet unsampled intervals from hole TU-21-552.

#### **About the SE Alteration Zone**

Work over the past several months at the SE Alteration Zone has included geophysics and geological mapping. As reported in the Fall of 2020, this area measures about 1.5 kilometres (km) east-west by 1 km north-south and is centred approximately 1 km southeast of the Ixtaca deposit.

The SE Alteration Zone comprises argillic (clay-altered) volcanics including clusters of anomalies identified from a hyperspectral survey that include the spectral signatures of important epithermal alteration minerals such as kaolinite, alunite and buddingtonite.

In November, 2020, the Company announced the discovery of several areas of veining cropping out within the SE Alteration Zone, and seventeen samples of the veining were collected and submitted for analysis to ALS Global in Zacatecas, Mexico. All but one sample returned below detection gold and silver, with the exception returning a value of 62 ppb gold. However, even though the outcrops are leached and weathered, many of the samples also returned elevated values of epithermal pathfinder elements which are commonly found in the higher parts of epithermal alteration zones. The presence of pathfinder elements in these samples is very encouraging as it corroborates the Company view that the SE Alteration Zone could represent the higher levels of a potential underlying epithermal system. It is quite typical that the higher parts of these systems contain negligible precious metals values.

The SE Alteration Zone lies outside of the current Ixtaca deposit resource area, which was the focus of a Feasibility Study (results of which were announced by the Company in December, 2018). A report titled "Ixtaca Gold-Silver Project, Puebla State, Mexico NI 43-101 Technical Report on the Feasibility Study", which was prepared in accordance with NI 43-101, is available under the Company's profile on SEDAR and on the Company's website.

J. Duane Poliquin, Chairman of Almaden, stated, "This first hole has confirmed the large scale of the alteration in the SE Alteration and provided targeting for follow-up work which was the objective. The original Ixtaca discovery was made through clever geologic assembly of published information and on-the-ground observation of field data. This has resulted in the discovery of an economic gold-silver deposit as outlined in the Feasibility Study, with evidence (geologic, geochemical, geophysical) for the possibility of a similar deposit, as well as the possibility of deeper precious/base metal deposit(s). It is very exciting to return to prospect drilling of some of the blue sky targets that have been identified on this property."

All work conducted as part of this program is being conducted in strict accordance with COVID-19 safety protocols, and employs local people wherever possible.

Norm Dircks, P.Ge., is a Qualified Person as defined by National Instrument 43-101 ("NI 43-101") and has reviewed and approved the technical contents of this news release.

### **About Almaden**

Almaden Minerals Ltd. owns 100% of the Ixtaca project in Puebla State, Mexico, subject to a 2.0% NSR royalty held by Almadex Minerals Ltd. The Ixtaca deposit hosts a proven and probable reserve containing 1.38 million ounces of gold and 85.1 million ounces of silver (73.1 million tonnes grading 0.59 g/t Au and 36.3 g/t Ag). A report titled "Ixtaca Gold-Silver Project, Puebla State, Mexico NI 43-101 Technical Report on the Feasibility Study", which was prepared in accordance with NI 43-101, is available under the Company's profile on SEDAR and on the Company's website. The Ixtaca Gold-Silver Deposit was discovered by Almaden in 2010.

On Behalf of the Board of Directors,

"J. Duane Poliquin"

J. Duane Poliquin, P. Eng  
Chairman  
Almaden Minerals Ltd.

### **Forward Looking Statements**

*Certain of the statements and information in this news release constitute "forward-looking statements" within the meaning of the United States Private Securities Litigation Reform Act of 1995 and "forward-looking information" within the meaning of applicable Canadian provincial securities laws. All statements, other than statements of historical fact, are forward-looking statements or information. Forward-looking statements or information in this news release relate to, among other things: the outcome or nature of any exploration programs at Ixtaca, and the ability of the Company to comply with COVID-19 related health protocols.*

*These forward-looking statements and information reflect the Company's current views with respect to future events and are necessarily based upon a number of assumptions, including assumptions in respect of both Almaden's and the applicable Mexican Authorities' legal positions, that, while considered reasonable by the Company, are inherently subject to significant legal, regulatory, business, operational and economic uncertainties and contingencies, and such uncertainty generally increases with longer-term forecasts and outlook. These assumptions include: stability and predictability in Mexico's mineral tenure, mining, environmental and agrarian laws and regulations, as well as their application and judicial decisions thereon; continued respect for the rule of law in Mexico; prices for gold, silver and base metals remaining as estimated; currency exchange rates remaining as estimated; availability of funds; capital, decommissioning and reclamation estimates; mineral reserve and resource estimates; prices for energy inputs, labour, materials, supplies and services (including transportation); no labour-related disruptions; all necessary permits, licenses and regulatory approvals being received in a timely manner; the ability to secure and maintain title and ownership to properties and the surface rights necessary for operations; community support in the Ixtaca Project; and the ability to comply with environmental, health and safety laws. The foregoing list of assumptions is not exhaustive.*

*The Company cautions the reader that forward-looking statements and information involve known and unknown risks, uncertainties and other*

*factors that may cause actual results and developments to differ materially from those expressed or implied by such forward-looking statements or information contained in this news release. Such risks and other factors include, among others, risks related to: political risk in Mexico; crime and violence in Mexico; corruption; environmental risks, including environmental matters under Mexican laws and regulations; impact of environmental impact assessment requirements on the Company's planned exploration and development activities on the Ixtaca Project; certainty of mineral title and the outcome of litigation; community relations; governmental regulations and the ability to obtain necessary licences and permits; risks related to mineral properties being subject to prior unregistered agreements, transfers or claims and other defects in title; changes in mining, environmental or agrarian laws and regulations and changes in the application of standards pursuant to existing laws and regulations which may increase costs of doing business and restrict operations; as well as those factors discussed the section entitled "Risk Factors" in Almaden's Annual Information Form and Almaden's latest Form 20-F on file with the United States Securities and Exchange Commission in Washington, D.C. Although the Company has attempted to identify important factors that could affect the Company and may cause actual actions, events or results to differ materially from those described in forward-looking statements or information, there may be other factors that cause actions, events or results not to be as anticipated, estimated or intended. There can be no assurance that our forward-looking statements or information will prove to be accurate. Accordingly, readers should not place undue reliance on forward-looking statements or information. Except as required by law, the Company does not assume any obligation to release publicly any revisions to on forward-looking statements or information contained in this news release to reflect events or circumstances after the date hereof or to reflect the occurrence of unanticipated events.*

Contact Information:

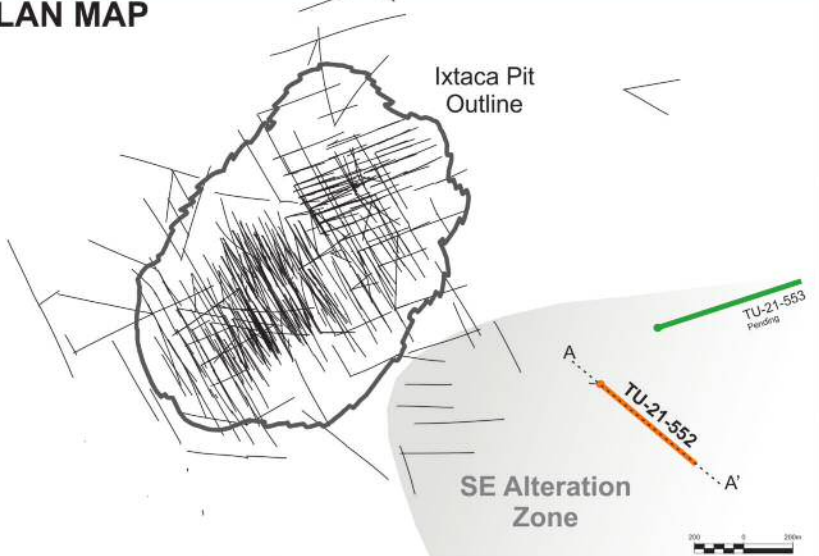
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**PLAN MAP**



3000m

2800m

2600m

2400m

2200m

2000m

1800m

A

A'

TU-21-551  
Abandoned

Elevated epithermal pathfinder elements

Volcaniclastics

Breccia

Altered mafic dykes

Shale

Highly altered dykes

TU-21-552



**Almaden Minerals Ltd.**

2,175,600 mN  
620,400 mE

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