



# BENJAMIN HILL

MINING CORP

**FOR IMMEDIATE RELEASE**

**CSE: BNN**

OCTOBER 15, 2021

## **BENJAMIN HILL MINING CORP. HIGHLIGHTS RESULTS OF FLUID INCLUSION STUDY INDICATING A MINERALIZED EPITHERMAL SYSTEM AT SURFACE WITH PORPHYRY POTENTIAL AT DEPTH**

**Vancouver, British Columbia (October 15, 2021) - Benjamin Hill Mining Corp. (CSE: BNN) (OTCBB: BNNHF) (“BHM” or the “Company”)** Benjamin Hill Mining Corporation is pleased to announce the results of a microthermometry analysis of fluid inclusions conducted on 42 samples collected from the Sonora Gold property. The samples included quartz, barite, calcite, and sphalerite specimens that represent the major mineralization bearing rock types found on the Sonora Gold Property. The samples were analyzed at the facilities in UNAM (National Autonomous University of Mexico) by Dr. Eduardo Gonzalez-Partida and Dr. Macario Rocha-Rocha. The analysis provided over 1,500 data points from the samples provided.

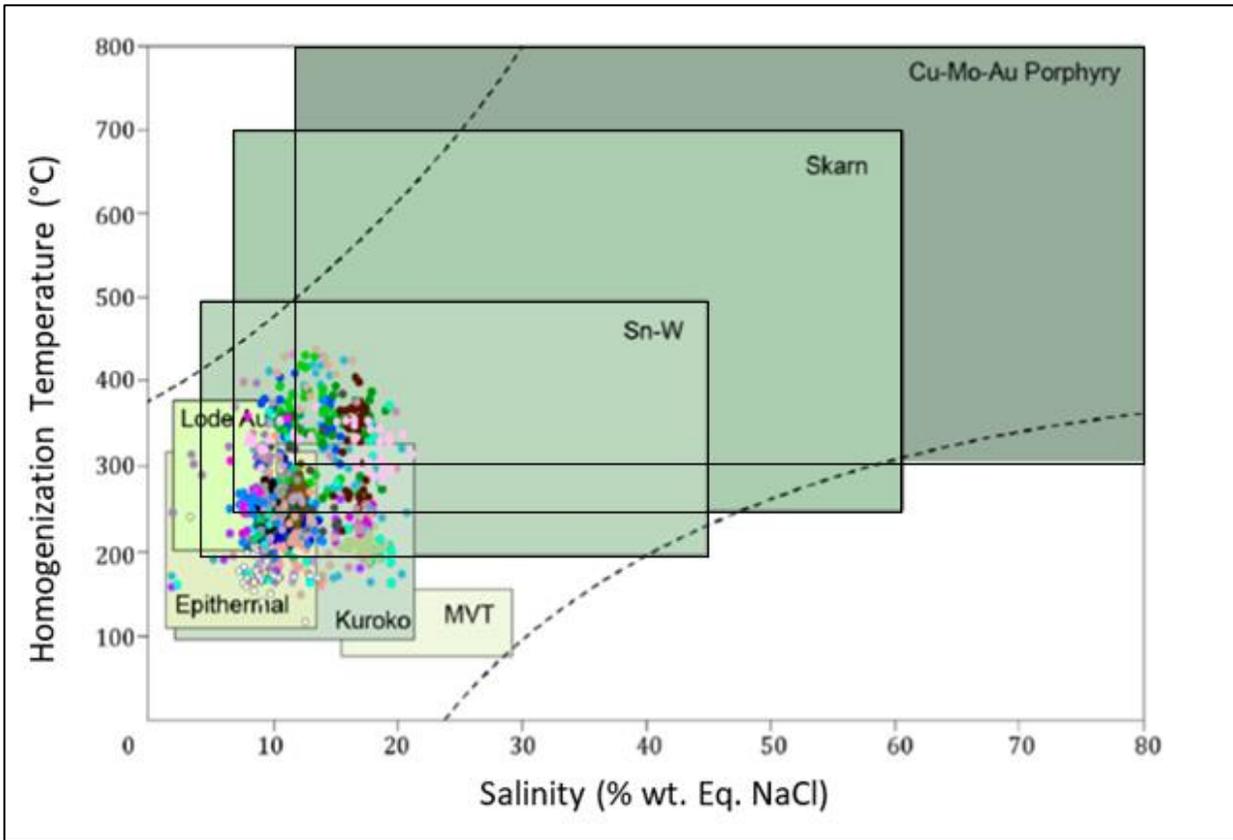
The following points highlight the takeaways from the work:

1. The presence of magmatic hydrothermal fluids was detected in most of the samples.
2. The salinity and homogenization temperature plot in the range of an epithermal system with an overprinting magmatic influence (**Figure 1**).
3. The fluid inclusions are derived from a hydrothermal system with a mixture of fluid types, which indicates formation at an estimated depth of hundreds of meters. This observation combined with recent geophysical data, supports the hypothesis of the existence of a mineralized plutonic source with a high possibility for Au-Cu metallic enrichment and porphyry potential.
4. Abundant evidence of boiling, which is commonly associated with economic mineral enrichment.
5. Different exhumation depths which range between 150m and 750m in the mineralized structures on the property, which implies a vertical section of 600 m with potential for economic mineralization in our mineralized structures (**Figure 2**).

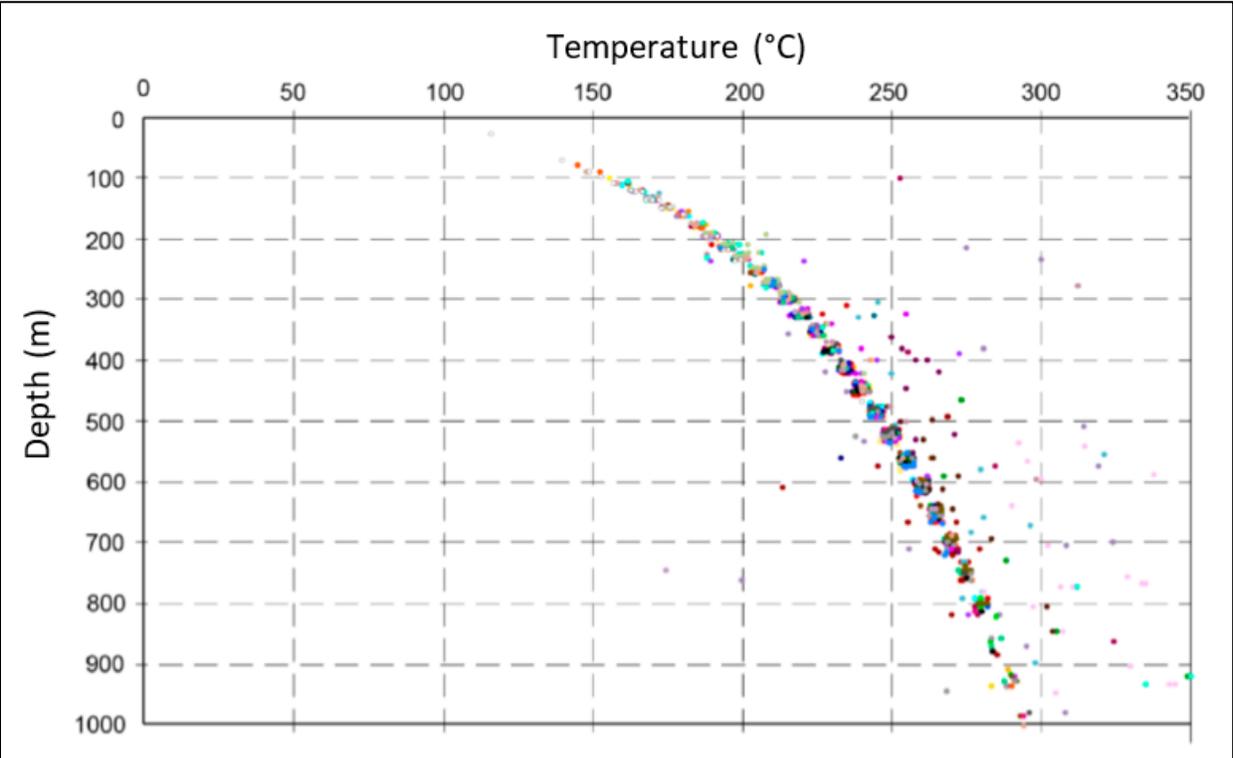
**Macario Rocha-Rocha, Head Geologist and Project Manager of Benjamin Hill Mining Corp states:** *“The data that this study provides allows us to better comprehend the behavior and origin of the fluid which generates the mineralized structures at the Sonora Gold Property. It pushes our team forward into thinking of a bigger potential at depth for a gold-copper enrichment, and the possibility of a porphyry system.”*

### **About Benjamin Hill Mining Corp.**

Benjamin Hill Mining Corp. is a Canadian-listed junior gold exploration company focused on exploring and developing projects in Mexico. The Company’s Sonora Gold project covers 6,000 ha of highly prospective mineral concessions in the Caborca gold belt of Sonora, Mexico in close proximity to Magna Gold Corp’s San Francisco mine.



**Figure 1.** Diagram showing the relationship between Homogenization temperature (°C) vs Salinity (wt. % NaCl equiv.), as well as the ranges for different ore deposits.



**Figure 2.** Diagram showing the relationship between homogenization temperature (°C) and depth (depth). Note: this depth corresponds to the theoretical depth of exhumed of each sample.

**Qualified Person**

Greg Bronson, P. Geo, President and Director of the Company is a qualified person as defined by National Instrument 43-101 and has reviewed and approved the scientific and technical disclosure in this news release.

On behalf of the Board of Directors

“Cole McClay”, CEO Benjamin Hill Mining Corp.

[info@benjaminhillmining.com](mailto:info@benjaminhillmining.com)

**Forward Looking Statements**

Certain of the statements made and information contained herein may contain forward- looking information within the meaning of applicable Canadian securities laws. Forward-looking information includes, but is not limited to, information concerning the Company's intentions with respect to the development of its mineral properties. Forward-looking information is based on the views, opinions, intentions and estimates of management at the date the information is made, and is based on a number of assumptions and subject to a variety of risks and uncertainties and other factors that could cause actual events or results to differ materially from those anticipated or projected in the forward-looking information (including the actions of other parties who have agreed to do certain things and the approval of certain regulatory bodies). Many of these assumptions are based on factors and events that are not within the control of the Company and there is no assurance they will prove to be correct. There can be no assurance that forward-looking information will prove to be accurate, as actual results and future events could differ materially from those anticipated in such information. The Company undertakes no obligation to update forward-looking information if circumstances or management's estimates or opinions should change except as required by applicable securities laws, or to comment on analyses, expectations or statements made by third parties in respect of the Company, its financial or operating results or its securities. The reader is cautioned not to place undue reliance on forward-looking information. We seek safe harbour.