



**GMV** MINERALS INC.

# Developing Gold Resource in S.E. Arizona



[www.gmvminerals.com](http://www.gmvminerals.com) | September, 2020

# Forward-Looking Statement

*Information set forth in this presentation may contain forward-looking statements. Forward-looking statements are statements that relate to future, not past, events. In this context, forward-looking statements often address a company's expected future business and financial performance, and often contain words such as "anticipate", "believe", "plan", "estimate", "expect", and "intend", statements that an action or event "may", "might", "could", "should", or "will" be taken or occur, or other similar expressions. By their nature, forward-looking statements involve known and unknown risks, uncertainties and other factors which may cause our actual results, performance or achievements, or other future events, to be materially different from any future results, performance or achievements expressed or implied by such forward-looking statements. Such factors include, among others, the following risks: the risks associated with outstanding litigation, if any; risks associated with project development; the need for additional financing; operational risks associated with mining and mineral processing; fluctuations in uranium, gold and other commodity prices; title matters; environmental liability claims and insurance; reliance on key personnel; the potential for conflicts of interest among certain officers, directors or promoters with certain other projects; the absence of dividends; competition; dilution; the volatility of our common share price and volume; and tax consequences to U.S. Shareholders. Forward-looking statements are made based on management's beliefs, estimates and opinions on the date that statements are made and the Company undertakes no obligation to update forward-looking statements if these beliefs, estimates and opinions or other circumstances should change. Investors are cautioned against attributing undue certainty to forward-looking statements.*

*Dr. D.R. Webb, B.A.Sc., M.Sc., Ph.D., P.Geo. P.Eng. is the Q.P. within the meaning of NI 43-101 and has reviewed and approved the technical content of this presentation.*

# Capital Structure

Stock Symbol:	TSX-V: GMV	(April, 2020)
Issued & Outstanding	53,000,000 TBC	
Options	4,020,000 TBC	
Warrants	13,979,000 (exp. May 2021) TBC	
Fully Diluted		

<b>Legal</b>	Fennemore Craig/Harper Grey LLP
<b>Auditor</b>	Manning Elliott LLP
<b>Transfer Agent</b>	Computershare

# Arizona

## Mining-Friendly Jurisdiction

- The Mexican Hat Gold property is located in Cochise County, Arizona - 72 miles ESE of Tucson
- Arizona is a mining-friendly jurisdiction, with the industry generating over 40,000 jobs for the State
- Mining had a \$5.9 billion economic impact on Arizona's economy in 2017
- Nearby Mines Include: Commonwealth Gold and Silver Mine, Gunnison In-Situ Copper Mine, Bisbee Copper Mine.

Source: Azmining.com





# Company Overview

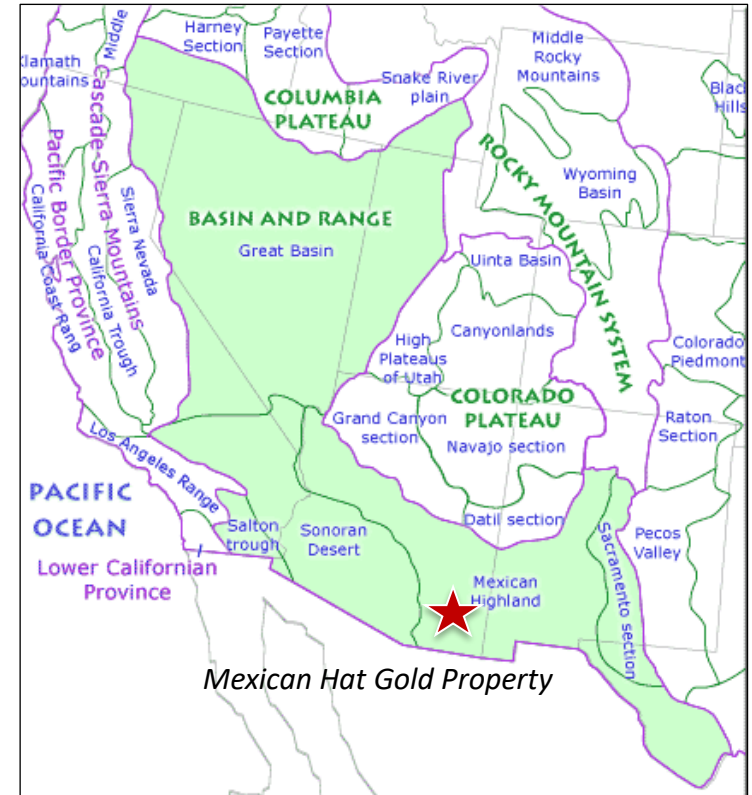
- Focused on developing the Mexican Hat Gold Project in S.E. Arizona (100% interest)
- Mexican Hat has an Inferred Mineral Resource of over 650,000 ounces of gold\*
- Initial Preliminary Economic Assessment completed
- Project spans ~5000 acres, forming one of the most promising gold development opportunities in the western USA
- Mineralization at Mexican Hat is open in three directions (to depth, to the north and southeast)
- Excellent capital structure: 53M shares outstanding



*\*32,876,000 tonnes grading 0.616 grams of gold per tonne hosting 651,000 troy ounces of gold using a 32 gpt capping grade and a 0.20 gpt cut-off grade. NI 43-101 Technical Report (2020).*

# Mexican Hat Geology and Mineralization

- The Mexican Hat project is a low sulphidation, structurally controlled epithermal gold deposit
- Primary mineralization consists of oxides with gold in a metasomatic assemblage of carbonate, epidote, chlorite & minor silica along fractures & fault zones within a tilted conformable package of Tertiary rock
- Deep oxidation has taken place with sulphides replaced primarily by hematite and limonite
- Mineralization consists of free gold within fractures, faults and open space throughout the property
- Steeply dipping east-northeast striking mineralized structures are distributed along the north-side of a southeast-striking listric normal fault
- All rocks are oxidized to at least 200m with minor weakly oxidized rocks report 95% gold recoveries



# Field Work Summary to Date

- 149 trenches, 158 reverse circulation and rotary drill holes and 45 diamond drill holes have been completed on the property since 1989
- 11 reverse circulation drill holes completed in 2019 are being incorporated into a new resource estimate
- Extensive metallurgical testing has included historic bottle roll tests and column leach tests
- Laboratory-scale column tests of various grades support a large-scale column test resulting in 91.9% recoveries from -1.2" material after a 100 day leach





# Mexican Hat Project—Open Pit Heap Leach

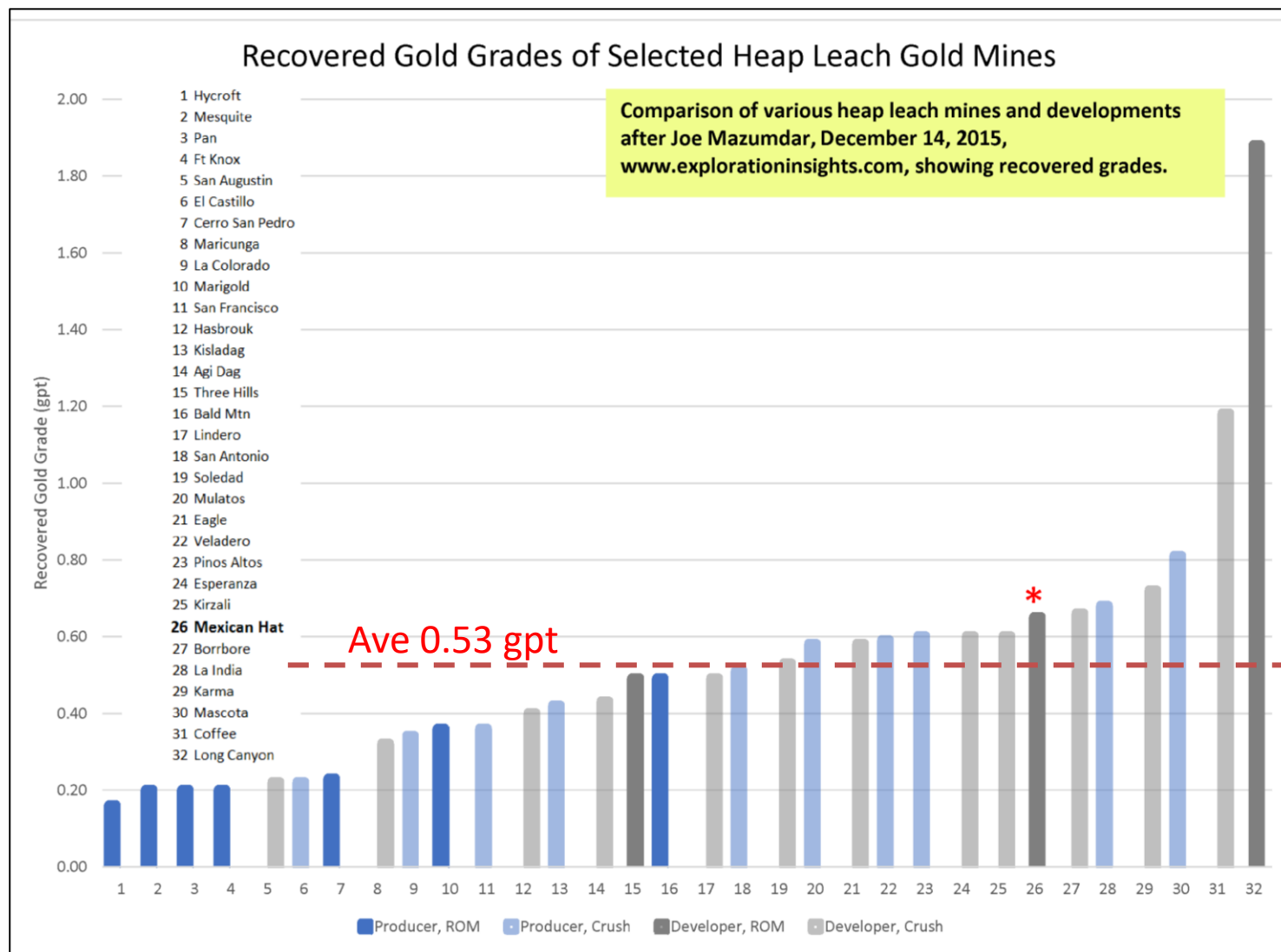
## Benefits of Heap Leaching

- Well established process
- Low capital investment and operating costs
- Fast payback
- No tailings disposal
- Lower energy and water requirements
- Viable in a wide range of climates
- Simple setup and operation





# Open Pit Heap Leach Mines



# Preliminary Economic Assessment -Highlights

## Report Highlights:

- Two-stage open circuit stacked at a rate of approximately 15,000t per day on a conventional heap leach pad
- Current mine life of 5-years with a 1-year pre-production period → **Open to Expansion**
- Life of mine (LOM) head grade of 0.66 g/t gold
- Low LOM Strip Ratio of 2.8
- IRR---33.1% Payback ---**2 years based upon \$1300 gold price**
- Total amount of gold recovered is estimated at 470,000 oz
- Average annual gold production of approximately 94,000 oz
- LOM direct operating cash cost is estimated at \$658/oz of gold recovered
- All-in sustaining cost is estimated at \$764/oz of gold recovered

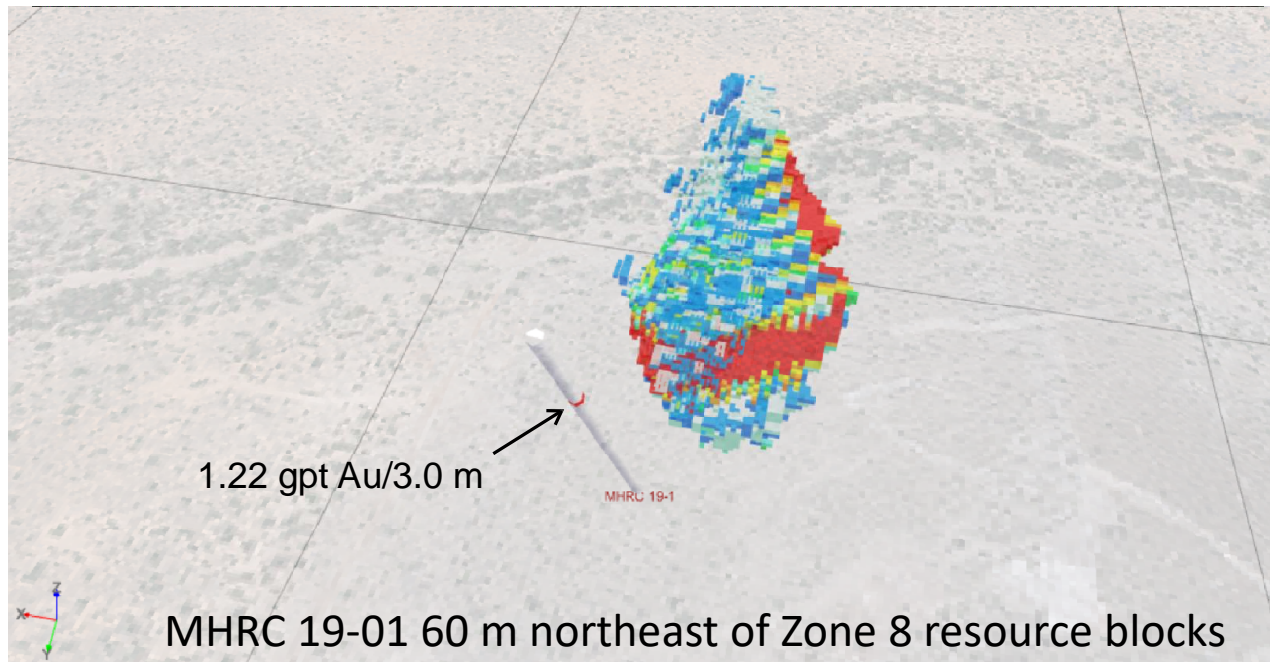
*\*The base case assumes a gold price of US\$1,300 per ounce (oz). All figures are stated in U.S. Dollars (\$). All tonnages are metric tonnes. Precious metal grades are in grams per metric tonne (g/t).*

# Revise and Update Mineral Resource

Completion to be included in an Update of the PEA

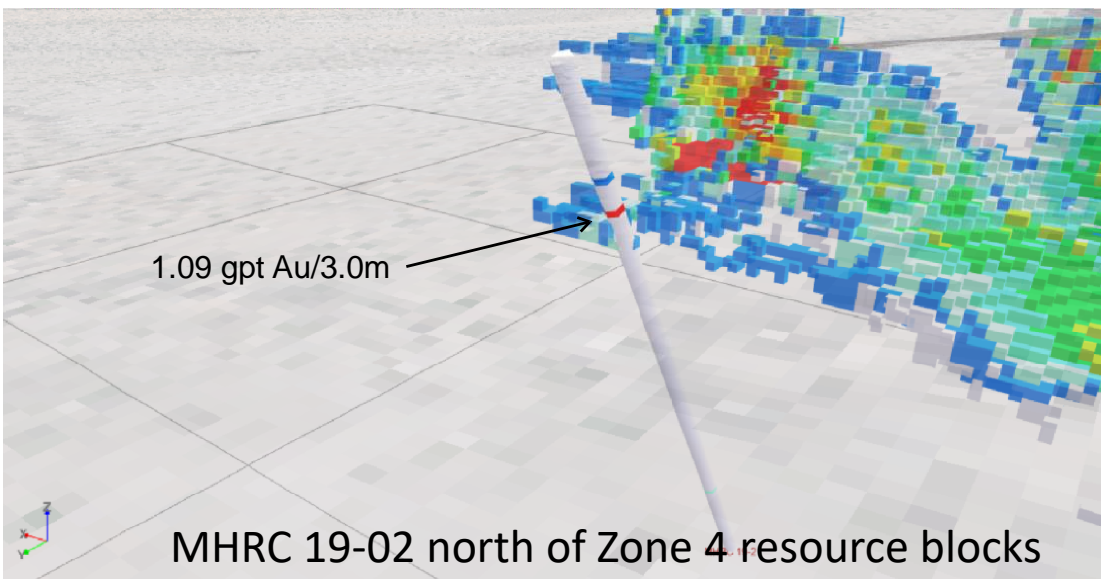
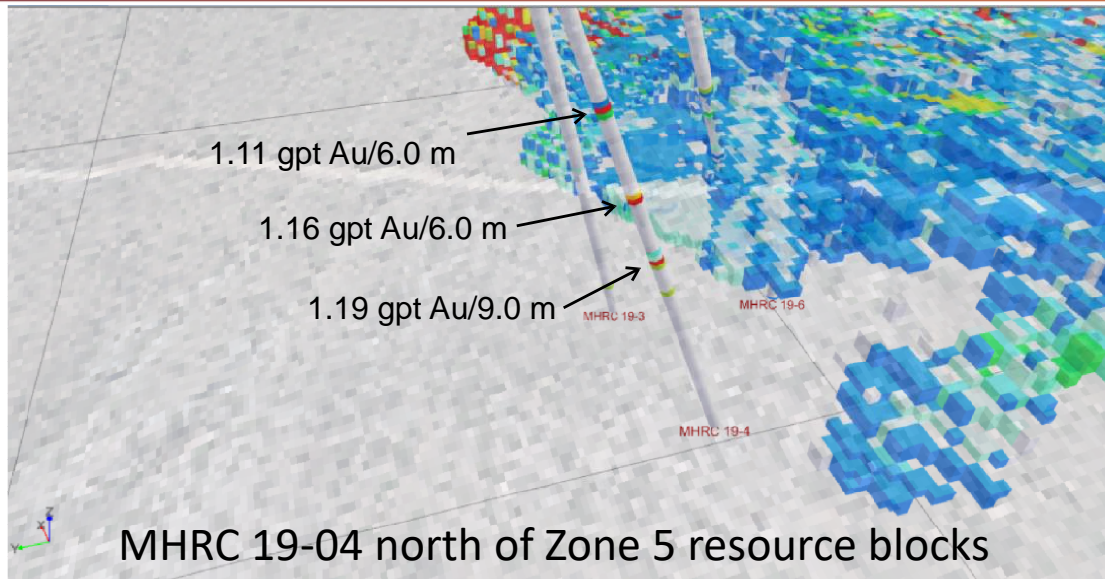
**Tetra Tech Canada Inc.**  
**DRW Geological Consultants Ltd.**

GMV has retained Tetra Tech and DRW to complete a Revised Mineral Resource Estimate incorporating 11 new RC holes on the Mexican Hat gold project, Including;



MHRC 19-01 is the northeastern-most hole targeting Zone 8 and will extend the mineralization at shallow depths in this region.

# Revise and Update Mineral Resource



Additional drill holes within the pit constrained resource where mineralization was open for expansion have resulted in material intercepts along strike of defined resources.

These drill holes targeted area that had been assigned zero grade but were within the pit as waste to be removed to access other mineralization



# Revise and Update Preliminary Economic Assessment

Completion estimate August 2020;

**Samuel Engineering, Inc. (Project lead)**

**RESPEC (Mining)**

**Tierra Group International, Ltd. (Pad design and loading)**

**Golder Associates, Inc. (Environmental and Water)**

GMV has retained Samuel Engineering to complete an updated PEA study to test the economic viability of an open-pit, heap-leach gold recovery mine for the Mexican Hat gold project.

It is anticipated that the project will utilize two-stage crushing with NO agglomeration and a mining rate sized to produce gold over an 8 year mine life based on known gold mineral resource and not including any additional life generated from additional exploration activity.

It is further expected that the Capex will be greatly reduced (as compared to the 2018 PEA) and the Company will produce approximately 60,000 ounces of gold per annum. The mine plan will be based on an average gold price of \$1,400 per ounce with sensitivity analysis using current spot gold prices. It is anticipated that the study will be completed in August 2020.

# Next Steps

**Current-Q3**

Revise NI 43-101 Resource Calculation

Update Preliminary Economic Assessment

**Q4-2020**

Conduct drill program to mature inferred to measured & indicated category  
Test satellite zones (Little Hat)

**2021**

Pre-Feasibility

**2021/2022**

Develop and Submit Mining Plan

# Key Personnel

## **MANAGEMENT**

Ian Klassen, B.A. (Hons.) – President & CEO

Michele Pillon – Chief Financial Officer

Dr. D.R. Webb, Ph.D., P.Geo., P.Eng – Acting Project Manager

## **BOARD OF DIRECTORS**

Alistair MacLennan – Chairman

Ian Klassen, B.A. (Hons.) – President & CEO

Douglas A. Perkins, B.Sc., FGAC – Independent Director

Carl Hale, P.Geo – Independent Director

Robert Coltura – Independent Director

## **ADVISORS**

Dr. Roger Newell, Ph.D (Mineral Exploration)

*(Biographies are available on the Company website)*



# Investment Highlights

- ✓ 100% interest in Mexican Hat Gold Property in a key, mining-friendly jurisdiction of the USA
- ✓ New PEA underway - targeting an extended mine life and greatly reduce capex
- ✓ Over 650,000 ounces of gold in an Inferred Resource
- ✓ Excellent metallurgical results with a low strip ratio
- ✓ Project is open for resource expansion
- ✓ Very low market capitalization with a tightly held share structure



## HEAD OFFICE

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