

An aerial photograph of the Pickle Crow Gold Project site in Ontario, Canada. The site is a cleared area with several industrial buildings, including a large white building and several smaller blue and grey structures. There are also some storage tanks and equipment visible. The site is surrounded by a dense forest of green trees, and the sky is overcast with grey clouds.

# PICKLE CROW GOLD PROJECT, ONTARIO, CANADA

A RAPIDLY ADVANCING HIGH-GRADE GOLD PROJECT

DIGGERS AND DEALERS PRESENTATION

Darren Cooke, Chief Operating Officer

2<sup>ND</sup> AUGUST 2021 | ASX: AUT

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References to previous ASX announcements should be read in conjunction with this release. The Company confirms that it is not aware of any new information or data that materially affects the information included in this presentation.

## FORWARD LOOKING INFORMATION

This document contains forward looking statements concerning the Company. Forward-looking statements are not statements of historical fact and actual events and results may differ materially from those described in the forward-looking statements as a result of a variety of risks, uncertainties and other factors. Forward-looking statements are inherently subject to business, economic, competitive, political and social uncertainties and contingencies. Many factors could cause the Company's actual results to differ materially from those expressed or implied in any forward-looking information provided by the Company, or on behalf of the Company. Such factors include, among other things, risks relating to additional funding requirements, metal prices, exploration, development and operating risks, competition, production risks, regulatory restrictions, including environmental regulation and liability and potential title disputes. Forward looking statements in this document are based on the Company's beliefs, opinions and estimates of the Company as of the dates the forward-looking statements are made, and no obligation is assumed to update forward looking statements if these beliefs, opinions and estimates should change or to reflect other future developments. Although management believes that the assumptions made by the Company and the expectations represented by such information are reasonable, there can be no assurance that the forward-looking information will prove to be accurate. Forward-looking information involves known and unknown risks, uncertainties, and other factors which may cause the actual results, performance or achievements of the Company to be materially different from any anticipated future results, performance or achievements expressed or implied by such forward-looking information. Such factors include, among others, the actual market price of commodities, the actual results of future exploration, changes in project parameters as plans continue to be evaluated, as well as those factors disclosed in the Company's publicly filed documents. Readers should not place undue reliance on forward-looking information. The Company does not undertake to update any forward-looking information, except in accordance with applicable securities laws. No representation, warranty or undertaking, express or implied, is given or made by the Company that the occurrence of the events expressed or implied in any forward-looking statements in this presentation will actually occur.

## NO NEW INFORMATION OR DATA

This Presentation contains references to Mineral Resource estimates, all of which have been extracted from the Company's ASX announcement titled "Resource increases 71% to 1.7 Moz at Pickle Crow" and dated 15 July 2021, which is available via the following link: [https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02395621-2A1310023?access\\_token=83ff96335c2d45a094df02a206a39ff4](https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02395621-2A1310023?access_token=83ff96335c2d45a094df02a206a39ff4). All future references in this presentation that relate to the Mineral Resource Estimate should be read in conjunction with the aforementioned ASX release. The Company confirms that it is not aware of any new information or data that materially affects the information included in that ASX announcement and that all material assumptions and technical parameters underpinning the Mineral Resource Estimate (Inferred Resource – 6.6 Mt @ 8.1 g/t gold for 1.71 M ounces of gold) in that announcement continue to apply and have not materially modified. A breakdown of the resource is set out in this Presentation.

This Presentation also contains references to Certain Exploration Results that were first reported in accordance with ASX Listing Rule 5.7 in the Company's announcements of 28/01/2020, 26/03/2020, 01/09/2020, 11/11/2020, 19/01/2021, 7/04/2021, 16/06/2021, 15/07/2021 and 02/08/2021. Auteco confirms that it is not aware of any new information or data that materially affects the information included in the original announcements. The Company confirms that the form and context in which the Competent Persons' findings are presented have not been materially modified from the original market announcements.

# CORPORATE SUMMARY

## SHAREHOLDER SUMMARY

**Board and Management** **27%**  
(on a fully diluted basis)

**Total Australian and Global institutions** **26%**

### Substantial shareholders

- 1832 Asset Management LP	9.5%
- First Mining Gold Corporation	7.5%
- Symorgh Investments Pty Ltd	6.2%
- Campbell Kitchener Hume & Assoc,	5.9%

## CAPITAL STRUCTURE

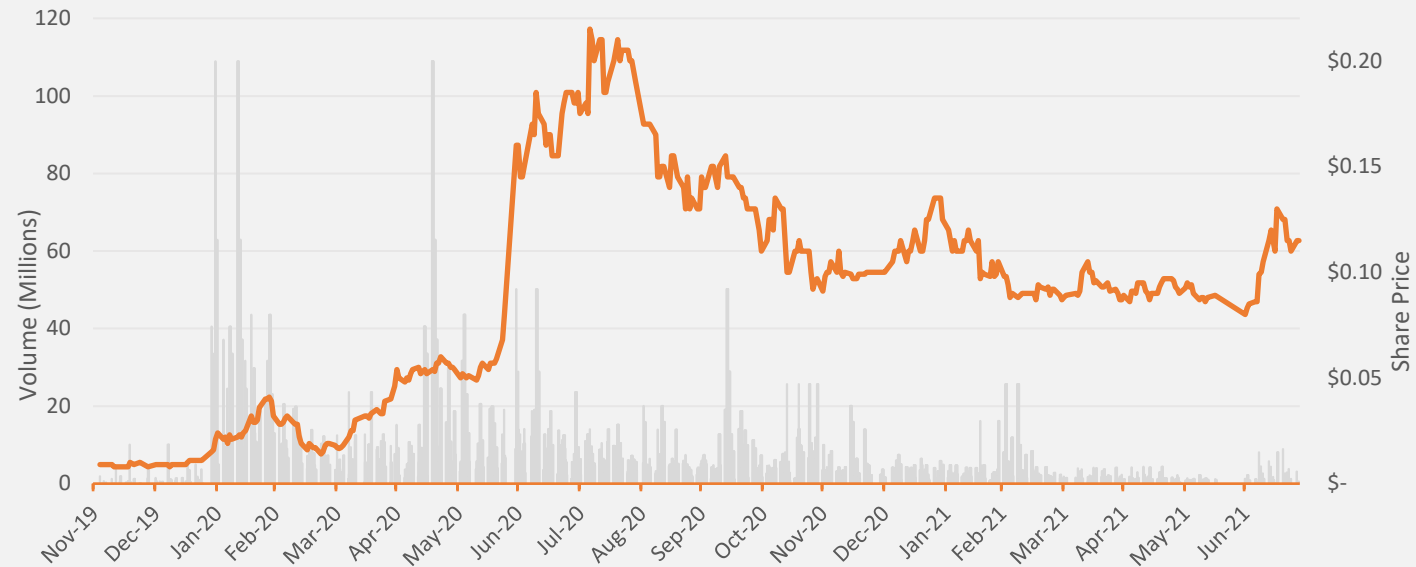
**ASX Code** **AUT**

**Shares on issue** **1.7B**

**Management & consultant options** **390M**  
(prices from \$.007 - \$.015)

**Top 20 Shareholders** **63%**

**A Canadian focused ASX listed company with one of the highest grade +1.7Moz Resources Globally at 8.1g/t gold**



Current  
Share Price<sup>1</sup>

**A\$0.11**

Market  
Capitalisation

**A\$183M**

Cash<sup>2</sup>

**~A\$21.8M**

## BOARD AND MANAGEMENT

A leadership team who's management DNA and experience comes from some of the most successful resource sector stories in the past decade, including Bellevue and Northern Star



**Executive Chairman**  
Mr. Ray Shorrocks



**Non-Executive Director**  
Mr. Steve Parsons



**Non-Executive Director**  
Mr. Michael Naylor



**Chief Operating Officer**  
Mr. Darren Cooke



**CFO & Co. Secretary**  
Mr. Nick Katris



**Chief Geologist**  
Mr. Marcus Harden



# AUTECO GROWTH VISION

Build a globally relevant and sustainable resources company focused on value creation for shareholders and the communities in which we operate

PRIMARY AUTECO FOCUS



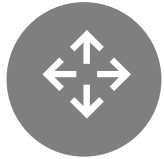
**COMMODITY**  
Gold Focused  
±Ag ±Cu



**JURISDICTION**  
Canada  
& USA



**GEOLOGY**  
Known Mineral  
Districts Camp Scale  
Opportunities



**SCALE**  
>1Moz Discovery  
>100koz p.a.



**DEPOSITS**  
High Grade &  
Continuous,  
Metallurgically simple

## PEOPLE, SAFETY & SOCIAL LICENCE

- Develop and maintain our human capital
- Operate in a safe, socially and environmentally responsible manner
- Develop respectful and mutually beneficial partnerships with communities in which we operate



## ORGANIC GROWTH

- Advance near mine and regional exploration targets to add value (**Discover, Define**)
- Grow existing Resource and build a high-quality mining inventory
- Utilise existing infrastructure to maximum benefit



## INORGANIC GROWTH

- Evaluate, acquire and/or partner on accretive assets that complement our growth strategy
- Be agile to take advantage of opportunities in a dynamic and ever-changing world
- Plan for (and expect) growth

# CANADA & ONTARIO – THE INVESTMENT CASE

A true Tier 1 mining location in every definition of the term

## JURISDICTION



- Canada is one of the **best mining locations globally**
- **Ontario** consistently ranks in the **top 20 states & provinces** globally in the Fraser Institute Investment Attractiveness Index
- Strong **taxation incentives** to explore (e.g., Flow Through)

## PROSPECTIVITY



- **Canada** is home to some of the **biggest** current and historical **gold deposits globally**
- Ontario hosts world-class deposits such as **Timmins & Red Lake**
- The Archean rocks of Ontario are **relatively under-explored** and are yielding new discoveries

## RELATIVE VALUATIONS



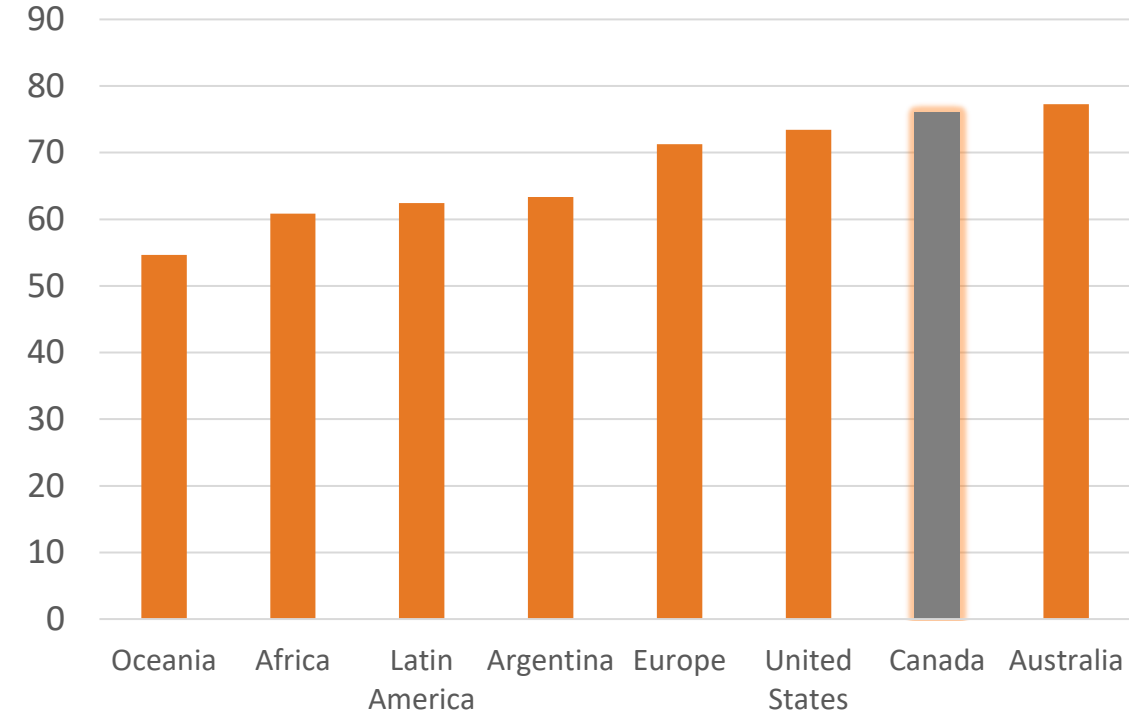
- Projects in Canada are **undervalued** relative to similar properties in Australia, and provides an opportunity for **superior value creation** for shareholders

## ONTARIO IS HOME TO MAJOR GLOBAL GOLD PRODUCERS

*Barrick, Newmont, Agnico-Eagle, Kirkland Lake, Evolution*

### Fraser Institute Survey of Mining Companies 2020<sup>3</sup>

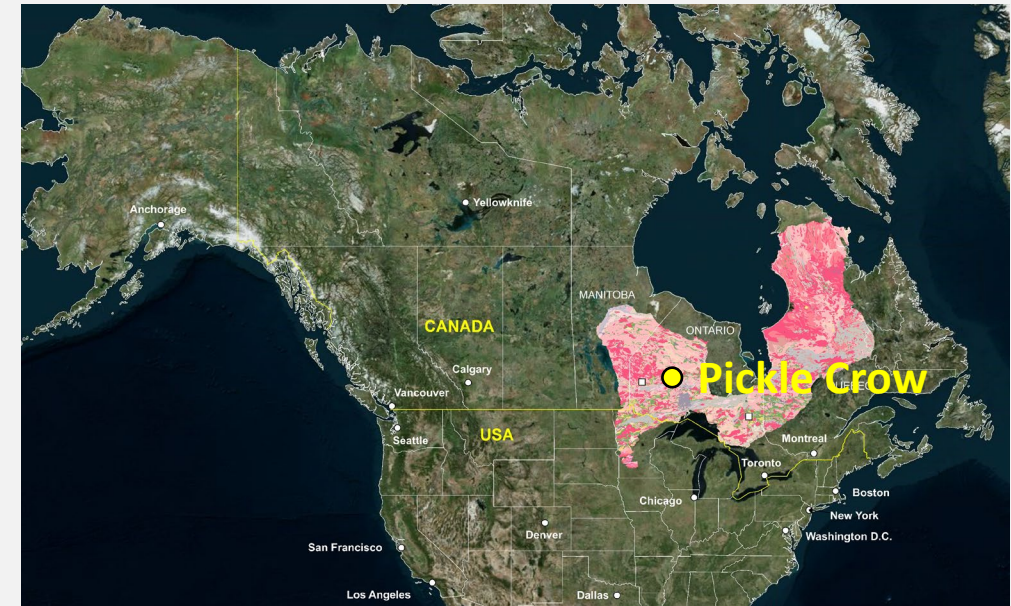
Regional Median Overall Investment Attractiveness



# PICKLE CROW ASSET SUMMARY

One of the highest-grade historic gold deposits in Canada –  
Pickle Crow underground mine produced 1.5 Moz at 16.1g/t Au

LOCATION	<ul style="list-style-type: none"><li>400km north of Thunder Bay, Ontario, Canada</li></ul>
ACCESS	<ul style="list-style-type: none"><li>Access via paved highway, sealed roads and air</li><li>Access 365 days per year</li></ul>
TENEMENT HOLDING	<ul style="list-style-type: none"><li>496km<sup>2</sup>, with Patented Mining Claims valid until 2067</li></ul>
HISTORIC PRODUCTION	<ul style="list-style-type: none"><li>3.1Mt @ 16.1g/t Au for 1.5Moz (1935 – 1966)</li><li>All underground narrow vein mining</li></ul>
UNDERGROUND INFRASTRUCTURE	<ul style="list-style-type: none"><li>3 main shafts (#1, #3 &amp; Albany)</li><li>38km of lateral development</li></ul>
RESOURCE	<ul style="list-style-type: none"><li>6.6Mt @ 8.1g/t Au for 1.71Moz (MY 2021)</li></ul>
SURFACE INFRASTRUCTURE	<ul style="list-style-type: none"><li>Processing plant (225tpd, never commissioned)</li><li>24-person camp, 600kw generator, Core facility</li></ul>
POWER	<ul style="list-style-type: none"><li>Grid connected hydro-power</li></ul>
OWNERSHIP	<ul style="list-style-type: none"><li>Main deposit is subject to an earn-in agreement between Auteco (ASX:AUT) and First Mining Gold (TSX:FF)</li><li>AUT have earnt 70%, can elect to go to 80% for CAD \$3M</li></ul>



PICKLE CROW SURFACE INFRASTRUCTURE





# PICKLE CROW GEOLOGICAL SETTING

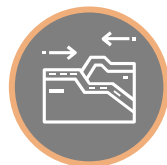
World-class tier one mining district in Ontario, Canada

CONTINENT



North America

TECTONIC ELEMENT



Laurentia Superior Craton

PROVINCE



Uchi Sub-province

REGION



Pickle Lake Greenstone Belt

DEPOSIT

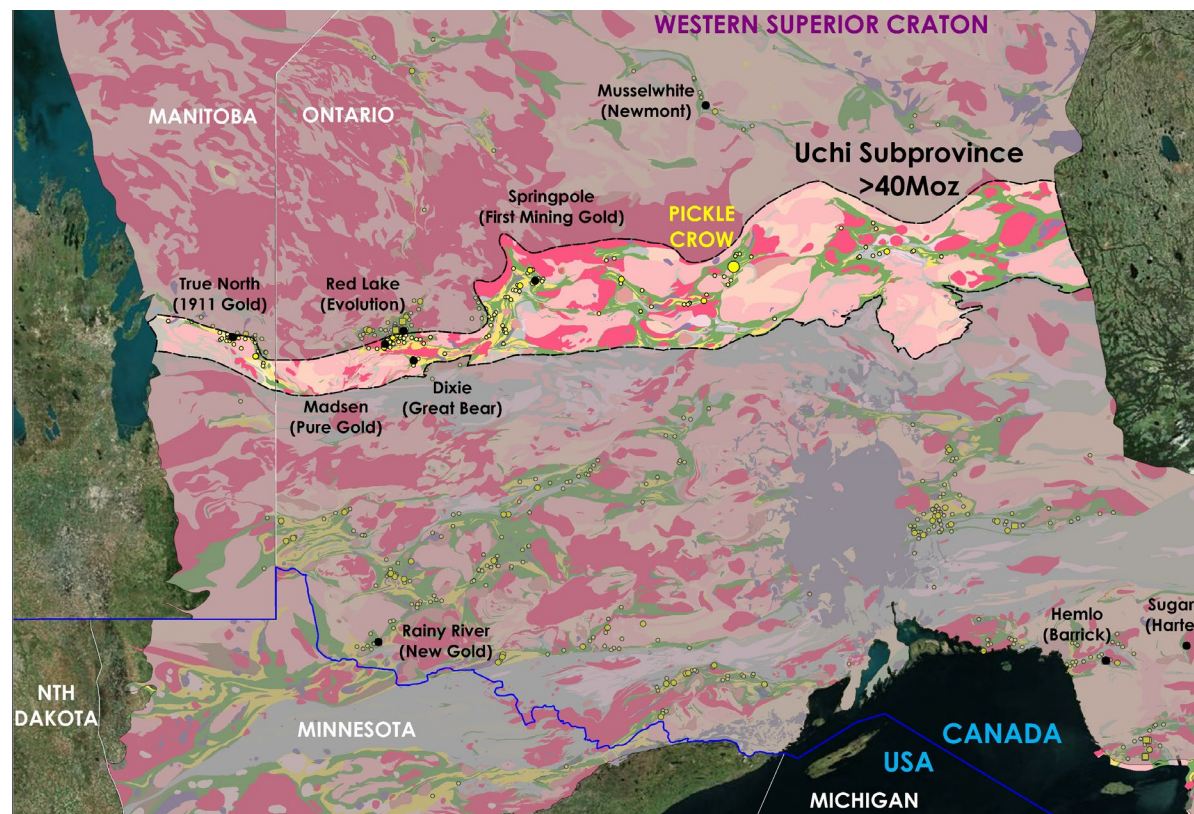


Pickle Crow & Central Patricia

## THE UCHI SUBPROVINCE

One of the best gold addresses globally

- Located in the prolific Uchi Sub province of the Western Superior Craton
- Archean Granite – Greenstone terrane that hosts significant gold deposits, including:
  - Red Lake (Evolution Mining)
  - Musselwhite (Newmont)
  - Springpole (First Mining)
  - Madsen (Pure Gold)
  - Dixie (Great Bear)
  - West Red Lake (West Red Lake Gold)



Geology Map Source – Modified from Superior Craton Basement Geology 1:2M Scale, MERC Laurentian University, 2018

# DEPOSIT SCALE GEOLOGY

## Exploring the prolific Northern Pickle Lake greenstone belt

CONTINENT



North America

TECTONIC ELEMENT



Laurentia Superior Craton

PROVINCE



Uchi Sub-province

REGION



Pickle Lake Greenstone Belt

DEPOSIT



Pickle Crow & Central Patricia

## A CLASSIC ARCHEAN OROGENIC GOLD SYSTEM



### Deposit Classification

- Structurally controlled Archean greenstone hosted Mesothermal Orogenic Gold



### Host Rocks



- Lower mafic sequence (predominantly basalt) with interflow sediments, including BIF
- Intermediate to Felsic volcanics and volcaniclastics intruded by qtz-feldspar porphyry
- Sediments, inc. Timiskaming-type conglomerates



### Structure

- Multi-phased (D1-D4) isoclinally folded and faulted sequence with local disruptions adjacent to the plutons



### Metamorphism

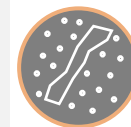
- Regional greenschist facies, locally Amphibolite proximal to intrusions

## TWO DISTINCT STYLES OF MINERALISATION



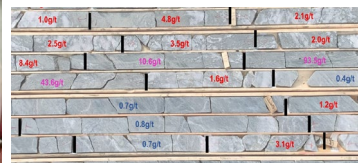
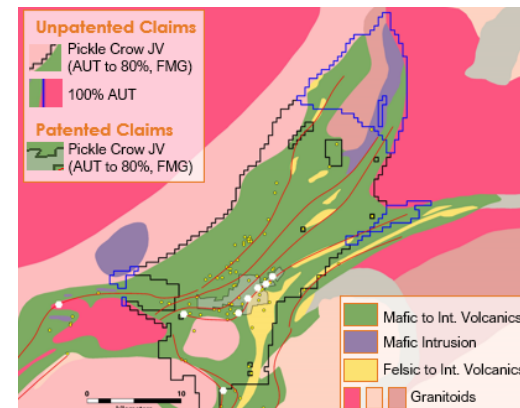
### Vein Hosted The mainstay of historic production

- Narrow (<3m) quartz-carbonate-sulphide veins with high-grade coarse gold



### Alteration Hosted Bulk Mining Potential

- Broad zones of gold (to >20m wide) hosted in alteration halos in reactive host rocks (typically BIF)





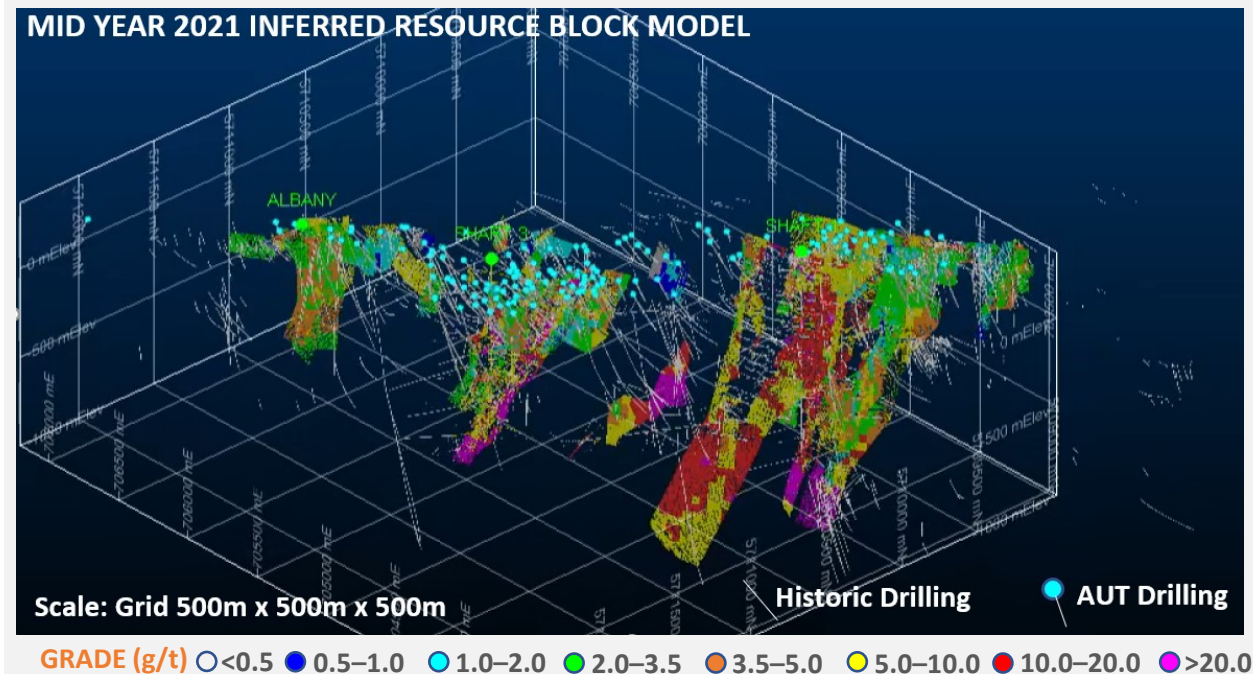
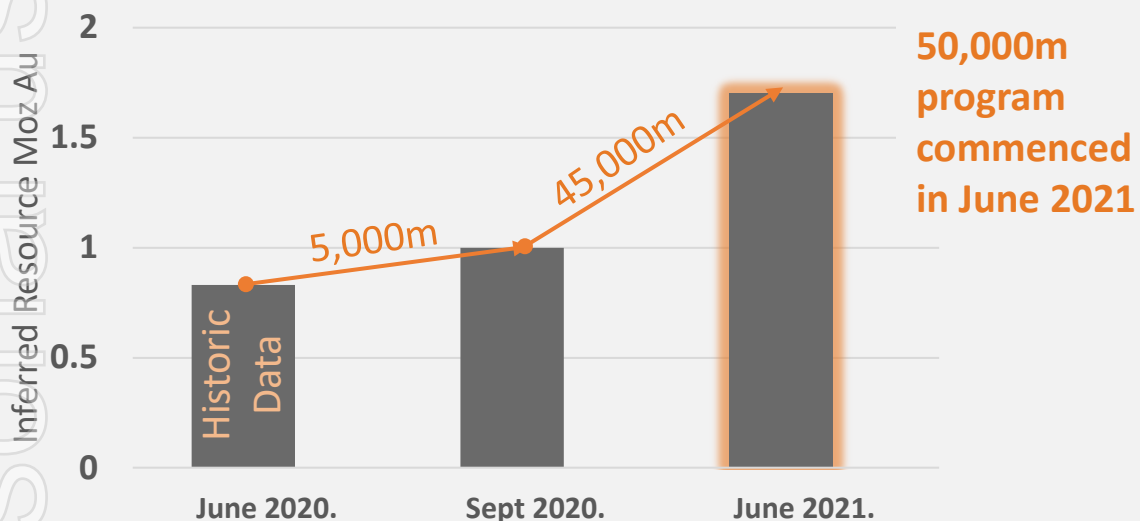
# PICKLE CROW RESOURCE

1.7 Million Ounces of gold and still growing

Mineralised Domain	Cut-off	Tonnes (Mt)	Grade (g/t)	Gold (Moz)	Δ to Sept. 2020
Quartz Lodes	3.5 g/t	4.5	10.1	1.47	<b>+0.47 Moz</b>
Alteration Hosted (BIF)	2.0 g/t	2.1	3.7	0.24	<b>+0.24 Moz</b>
<b>TOTAL INFERRED RESOURCE</b>		<b>6.6</b>	<b>8.1</b>	<b>1.71</b>	<b>+0.71 Moz</b>

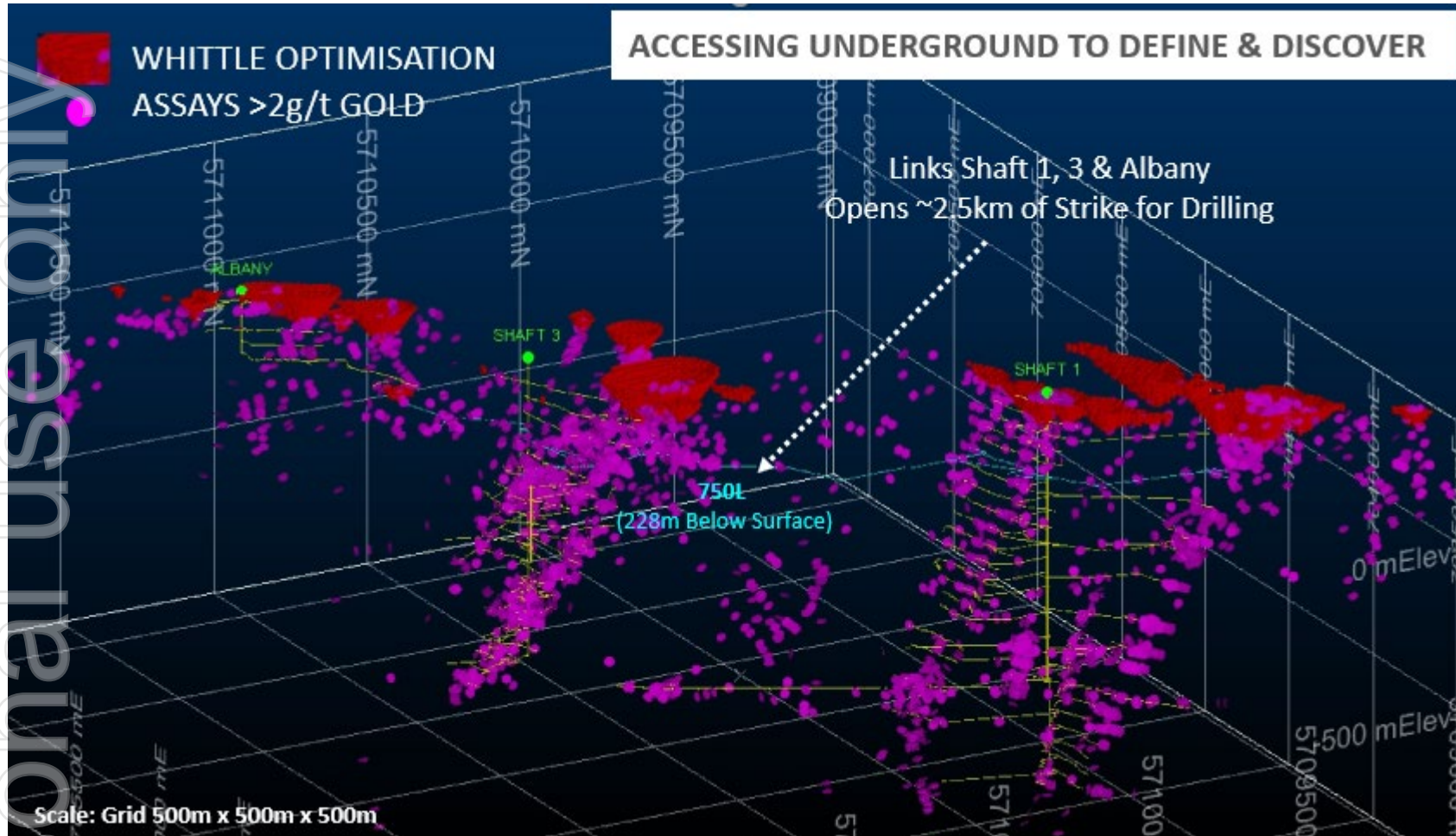
**710,000oz** of near-surface Resource added from the drill bit at **A\$15.25 per ounce** in just **10 months** (Sept 2020 to June 2021)

## Rapid Resource Growth through the Drill Bit



# ECONOMIC EVALUATION

Underground and bulk mining opportunities highlight optionality



## OPEN PIT & UG OPTIONS

The Auteco game plan is to establish underground drill positions to infill the 1.47Moz @ 10.1g/t vein Resource.

The broad BIF / Alteration-hosted Resource may provide the platform to launch  
(0.24Moz @ 3.7g/t Gold)

- Potentially economic pits that optimise on the Inferred Resource model provide optionality to re-access underground (**Shaft Rehab vs Starter Pit**)
- Active exploration for bulk mining material has only just commenced, and will impact infrastructure decisions  
(e.g., potential processing capacity requirements)

# EXPLORATION & GROWTH

Building momentum at all stages of the project pipeline

## LONG TERM GROWTH

### GENERATIVE



#### ACTIVITY

Works Completed

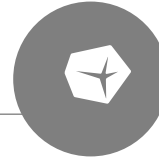
- Mapping and reconnaissance rock chip sampling conducted South of the Resource area
- Ground magnetic survey continue

#### RESULTS

June/July Releases

- Numerous **outcropping veins** traced and mapped at Springer prospect
- Rock chip samples include:
  - **145.7g/t gold**
  - **6.2 g/t gold**
  - **5.7g/t gold**
- Ground magnetics identified multiple structural offsets and **demagnetised zones**

### DISCOVERY

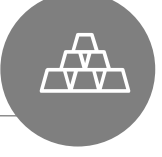


- First-pass drill testing of conceptual targets in the northern near-mine area

- **Discovery of the Carey zone**, an intersection between the Albany porphyry contact and other NE trending dykes & veins
- Assays include:
  - **20.4m @ 5.3g/t gold**
  - **13.8m @ 2.0g/t gold**
  - **16.5m @ 2.2g/t gold**
  - **6.5m @ 4.6g/t gold**

## PATHWAY TO PRODUCTION

### RESOURCE GROWTH



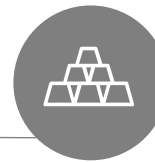
- Continued step out and exploration in the near mine area
- Drilling to extend Resource

- **RESOURCE UPDATE – 1.7Moz**
- **Discovery of new structure** >250m from other AUT holes
  - **4.9m @ 7.5g/t gold**
- **Extensions of known veins**, will contribute to future updates. Assays include:
  - **1.3m @ 21.4g/t gold**
  - **3.3m @ 8.0g/t gold**
  - **4.6m @ 7.5g/t gold**
  - **0.6m @ 42.9g/t gold**

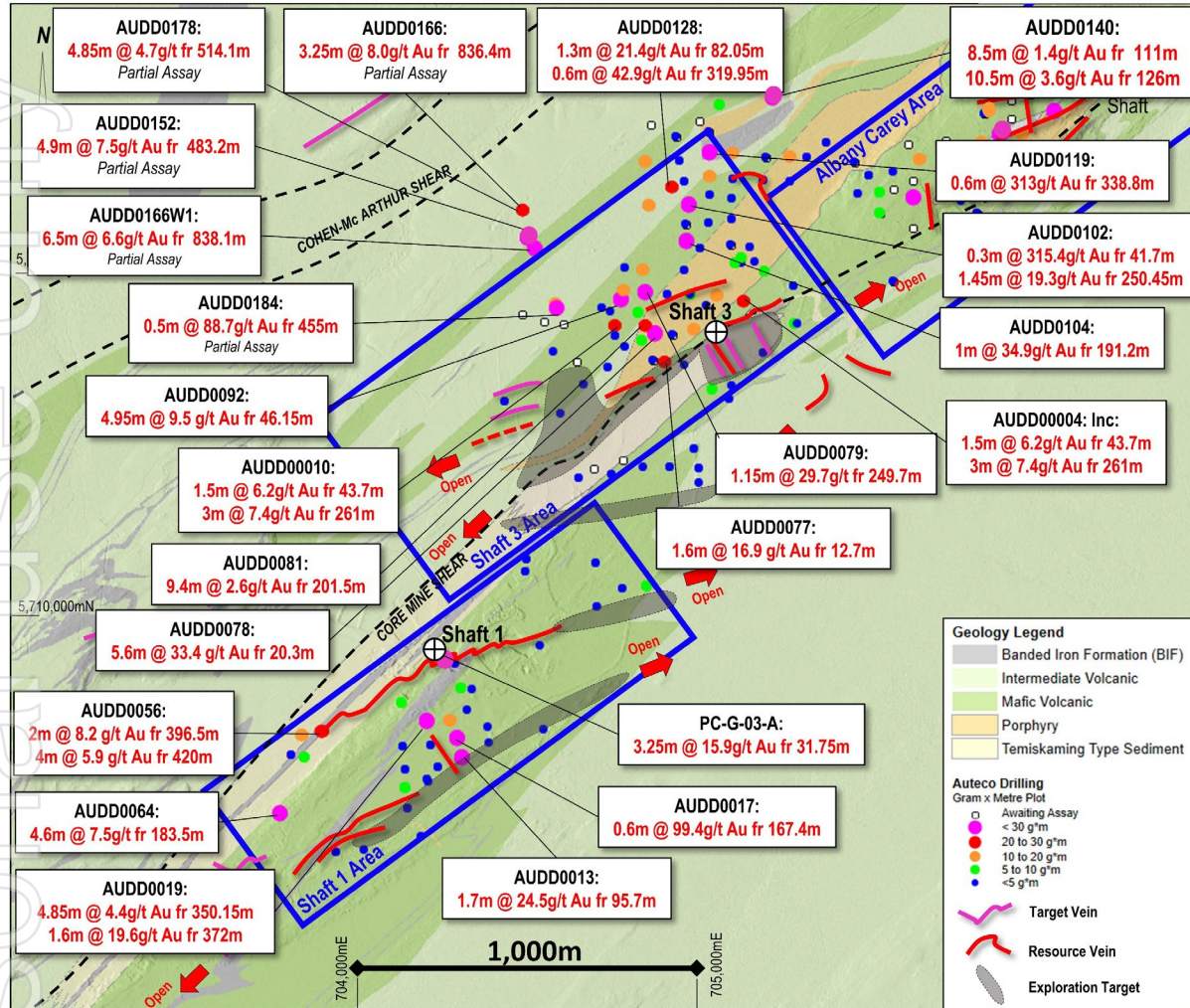


# DRILLING HIGHLIGHTS

## Near Mine Exploration – Shaft 1 & Shaft 3 Area



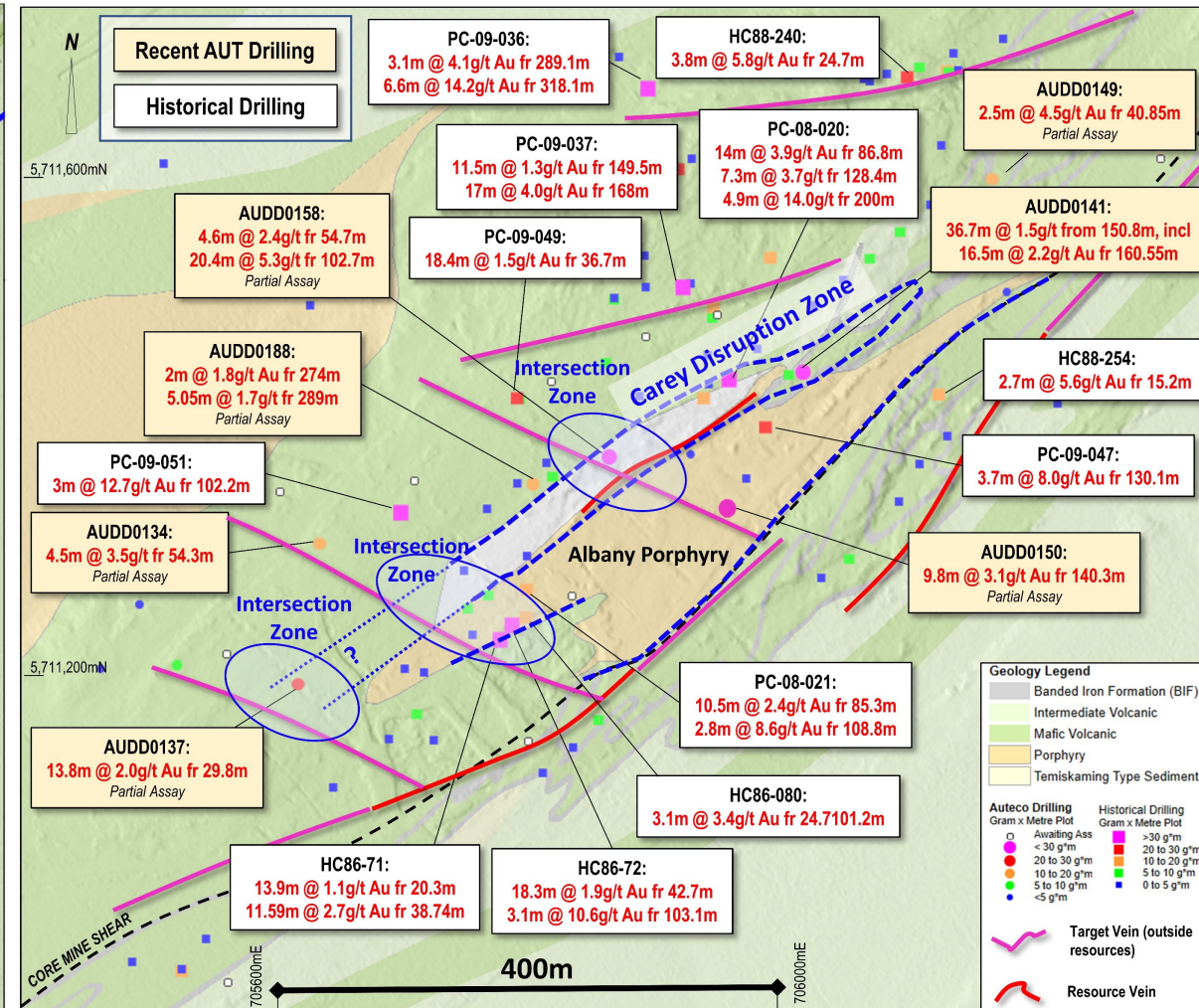
### Recent intersections point to further Resource growth



## Near Mine Exploration – Albany Carey Area



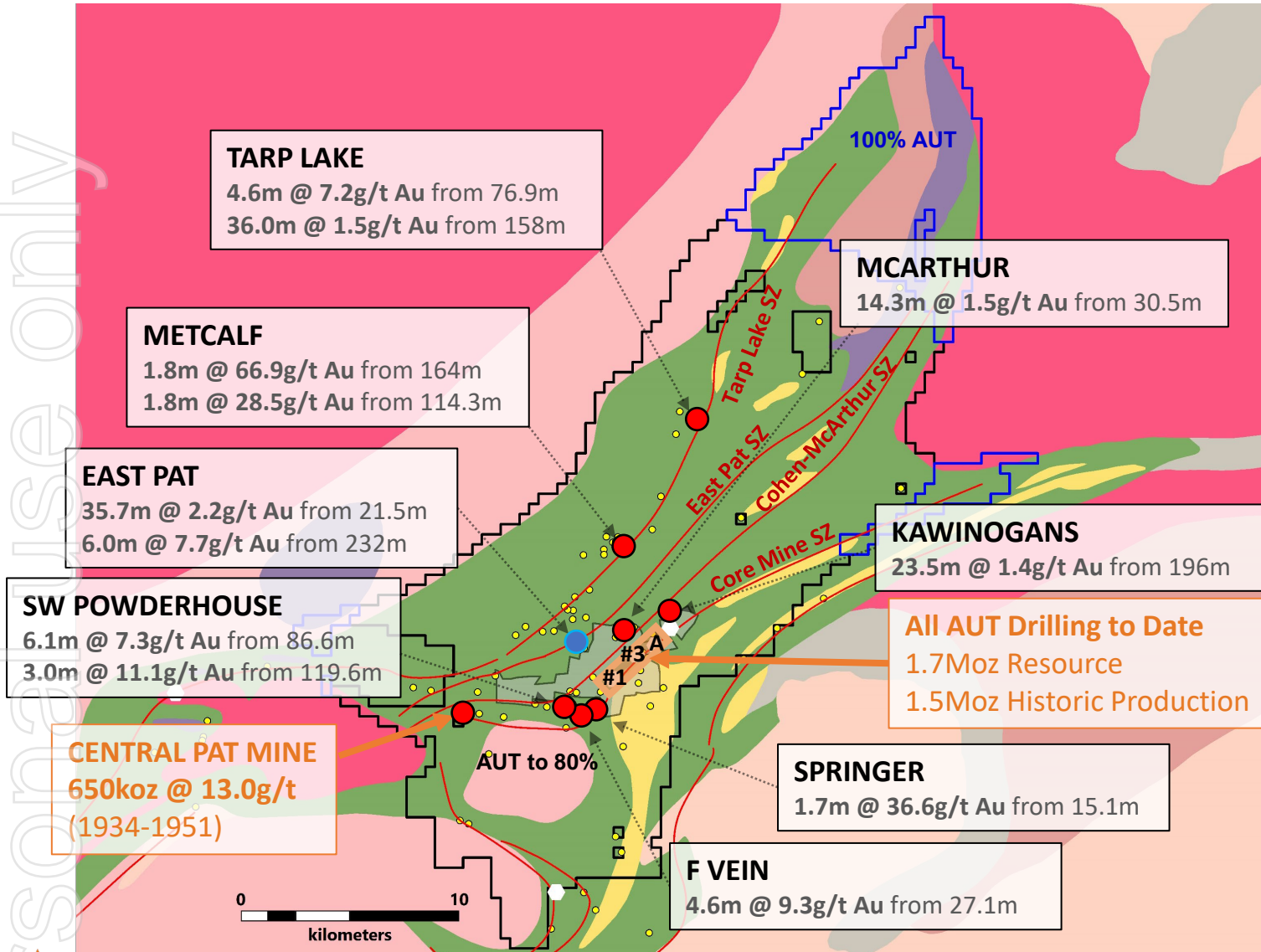
### Carey Discovery – A revised geology model





# REGIONAL EXPLORATION

Exploring the prolific Northern Pickle Lake greenstone belt

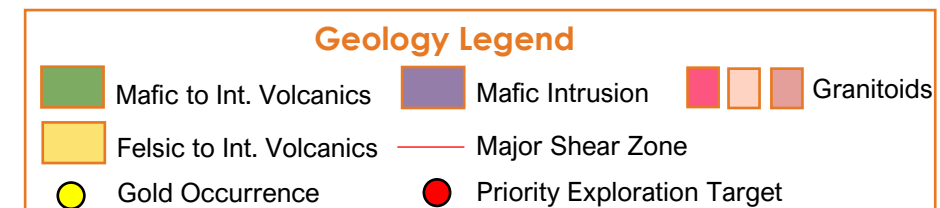


## CAMP-SCALE POTENTIAL



- As with many deposits of this style, there are **parallel structures** adjacent to the main Core Mine shear at Pickle Crow
- The parallel shear zones have a **low density of drill testing**
- All work** completed by Auteco has been done in the **small area** surrounding **shafts 1, 3 and Albany**
- Historic drill intersections demonstrate **high grade vein arrays** and **alteration** hosted mineralisation occur **>15kms from the current Resource**

**15,000m (30%) of the current 50,000m drill program will be dedicated to testing regional targets**



# FORWARD WORK PLAN

## Key Strategic Work Pillars for Pickle Crow to December 2021

### LONG TERM GROWTH

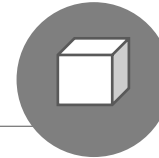
#### GROWTH & EXPLORATION



- Continue the dual strategy of **Near Mine** Resource growth and **Regional Discovery** focused exploration

- Board approval for a further **50,000m** of drilling
- Between **4 and 6 drill rigs** on site at any one time
  - At least 2 dedicated to regional and conceptual exploration and the remainder focused on Resource additions
- Continue generative work (mapping, surface sampling, geophysical data acquisition)

#### RESOURCE UPDATE

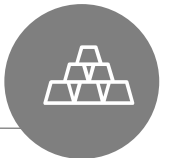


- Complete an updated **Mineral Resource Estimate**, prepared in accordance with the JORC Code (2012 Edition)

- Mid-year 2021 update completed (**6.6Mt @ 8.1g/t for 1.71Moz**)
- Update interpretation for new drill results
- Continue re-interpretation and re-sampling of historic drilling
- Update Resource as at 31 December 2021**

### PATHWAY TO PRODUCTION

#### PATHWAY TO PRODUCTION



- In anticipation of success, commence high level activities to demonstrate the pathway to production

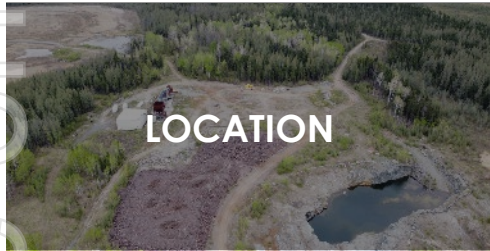
- Commencement of Advanced Exp permitting
- Conceptual optimisation and development option reviews
  - based on MY2021 Resource
- High level Assessment of milling infrastructure
- High level assessment of UG infrastructure and re-access options and capital requirements



# AUTECO – A COMPELLING INVESTMENT OPPORTUNITY

## In summary

AuTECO has built a strong platform for future growth. Having advanced the historic Pickle Crow gold project to be one of the highest-grade emerging +1.7Moz Resources globally, work will continue to explore, define and grow the asset.



### One of the best mining addresses in the world

- Operating in a stable Tier 1 mining jurisdiction (Ontario, Canada)
- Located in a prolific mineral belt with >40Moz gold endowment (Superior Craton, Uchi Sub-province)



### A long history of delivering high-grade gold

- Pickle Crow has a long history of high-grade gold mining, 1.5Moz @ 16.1g/t produced (1935-63)
- Independently estimated Resource of 1.7Moz at 8.1g/t Au
- Year-round access with quality Infrastructure and a large regional land holding



### Exceptional exploration targets and strong drill results to date

- Limited modern systematic camp-scale exploration conducted by previous owners
- Promising near mine drill results to date, demonstrating extensions to known structures and discovery of mineralised vein arrays
- Historical data highlights regional potential, with km-scale mineralised trends - limited testing



### Well funded to deliver with a quality experienced team

- Healthy cash balance to deliver growth (\$21.8M at 30 June 2021)
- 45km drill program in progress, 4 rigs on site
- Corporate & management team with experience, expertise and a track record of delivery
- Experienced, talented and established team on the ground in Canada



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# APPENDICES – PICKLE CROW ACQUISITION

## Earn-in up to 80% – First Mining Gold Inc

### Earn-in Details<sup>1</sup>:

Auteco paid C\$50,000 to First Mining (TSX: FF) in signing binding term sheet. Upon signing the formal agreement:

- A further C\$50,000; and
- 25,000,000 Shares in the capital of Auteco (issued 23<sup>rd</sup> April 2020)



#### STAGE 1 EARN-IN (51%):

- Spending C\$5,000,000 over three years comprising:
- C\$750,000 within a 12-month period (Expenditure Payment 1);
- C\$4,250,000 within a 24-month period after Expenditure Payment 1 is satisfied; and
- Subject to shareholder approval, Auteco will issue First Mining 100,000,000 Shares.



#### STAGE 2 EARN-IN (UP TO 70%):

- Auteco to spend a further C\$5,000,000 in 2 years after satisfaction of Stage 1 Earn-in (Expenditure Payment 3); and
- Cash payment of C\$1,000,000 in 90 days of completing expenditure Payment 3 (Expenditure Payment 4).



#### BUY IN:

- Auteco may buy a further 10% interest by paying C\$3,000,000 to First Mining; and
- Auteco will grant First Mining a 2% NSR granted after the Stage 2 Earn-In. Auteco has the right to purchase back 1% of the NSR for US\$2,500,000.

