



PICKLE CROW GOLD PROJECT, ONTARIO, CANADA

A RAPIDLY ADVANCING HIGH-GRADE GOLD PROJECT

AuTECO Minerals (ASX:AUT) Presentation

MarketLit Conference – Australia's First Millennial and Generation Z Investment Conference



Executive Chairman
Mr. Ray Shorrocks

AuTECO Minerals is pleased to provide a corporate overview at the MarketLit Conference on 2nd July 2021.

Shareholders and investors are invited to view a virtual summary of this presentation by Executive Chairman Ray Shorrocks.

Register: The event is free and investors can register online to view the presentation here:
<https://www.eventbrite.com.au/e/marketlit-australias-first-millennial-and-gen-z-investment-conference-tickets-157423577157>



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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 Grows to 1 Moz at 11.3 g/t Gold at Pickle Crow" and dated 1 September 2020, which is available to view at https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-02275588-2A1247126?access_token=83ff96335c2d45a094df02a206a39ff4. All future references in this release to the 1Moz Resource at a grade of 11.3g/t refer the announcement dated 1 September 2020. The Company confirms that it is not aware of any new information or data that materially affects the information included in that announcement and that all material assumptions and technical parameters underpinning the Mineral Resource estimate (Inferred Resource - 2.8Mt @ 11.3 g/t gold for 1.0M ounces of gold) in that announcement continue to apply and have not materially changed. A breakdown of the resource is set out in this Presentation.

This Presentation also contains references to Exploration results which have been extracts from various ASX announcements on the dates indicated throughout this Presentation. The Company confirms that it is not aware of any new information or data that materially affects the information included in those 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	9.4%
- 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%**



Current
Share Price¹

A\$0.083

Market
Capitalisation

A\$135M

Cash²

~A\$26.8M

BOARD AND KEY MANAGEMENT



Executive Chairman
Mr. Ray Shorrock

Ray has more than 27 years' experience in corporate finance and investment banking. He has advised a diverse range of ASX-listed mining companies in his position at a major Australian broking firm.

Mr Shorrock also sits on a number of ASX listed Boards including Galilee Energy Ltd, Alicanto Minerals Ltd, and Cygnus Gold Ltd. Mr Shorrock was previously the Chairman of Bellevue Gold Ltd during the initial discovery stages.



Non-Executive Director
Mr. Steve Parsons

Steve is an experienced geologist with a proven track record of mineral discoveries and corporate growth. He founded and ran Gryphon Minerals which grew to an ASX-200 company and was acquired by a significant North American gold producer.

Steve is Managing Director of Bellevue Gold (ASX: BGL) which has discovered +2.3 Moz of gold @ 10 g/t in just over two years and grown Bellevue to an ASX300 Company.



Non-Executive Director
Mr. Michael Naylor

Michael has 26 years' experience in corporate advisory and public company management since commencing his career and qualifying as a chartered accountant.

Michael has been involved in the financial management of mineral and resources focused public companies serving on the board and in the executive management team focusing on advancing and developing mineral resource assets.



Chief Operating Officer
Mr. Darren Cooke

Darren is a geologist with 24 years' experience having previously held senior positions in global majors including Barrick Gold, Newmont and Northern Star Resources.

Darren has had extensive gold industry experience in Australia and North America spanning regional and near mine exploration, operational geology, long-term planning and corporate development.



Chief Geologist
Mr. Marcus Harden

Marcus is a geologist with extensive gold and base metals exploration and management experience throughout Australia, Africa, Asia and the Americas.

He has played key roles in the discovery and definition of more than 9 million ounces of gold globally with ASX listed junior companies. Three of these projects are currently operating and one is in development.

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 and 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



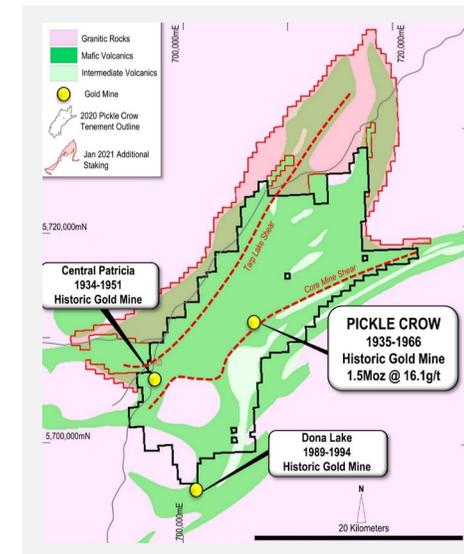
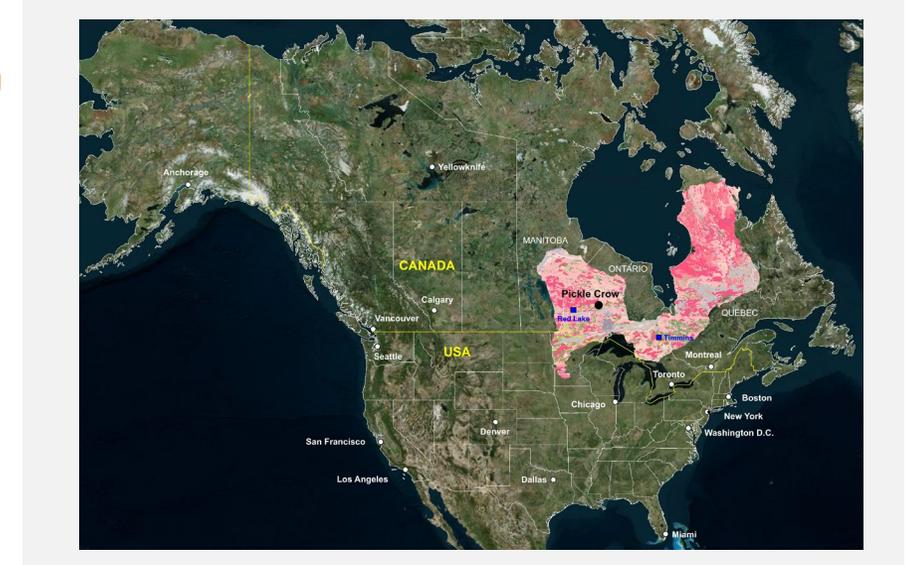
INORGANIC GROWTH

- 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

ASSET SUMMARY

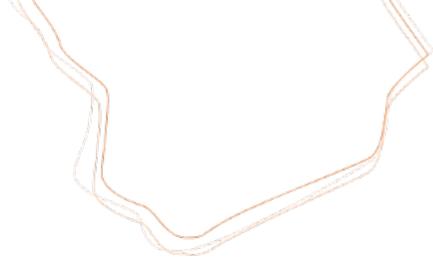
Pickle Lake is one of the highest-grade historic gold mining camps in Canada – Pickle Crow underground mine produced 1.5 Moz at 16.1g/t Au

LOCATION	<ul style="list-style-type: none"> 400km north of Thunder Bay, Ontario, Canada
ACCESS	<ul style="list-style-type: none"> Daily flights to Pickle Lake Paved highway and sealed roads Access 365 days per year
HISTORIC PRODUCTION	<ul style="list-style-type: none"> 3.1Mt @ 16.1g/t Au for 1.5Moz (1935 – 1966)
RESOURCE	<ul style="list-style-type: none"> 2.8Mt @ 11.3g/t Au for 1.0Moz (Sept 2020)
TENEMENT HOLDING	<ul style="list-style-type: none"> 496km², 106 Patented Mining Claims Regional exploration tenure focus on Pickle Lake Greenstone Belt and Sioux Lookout
UNDERGROUND INFRASTRUCTURE	<ul style="list-style-type: none"> 3 main shafts (#1, #3 & Albany) 38km of lateral development
SURFACE INFRASTRUCTURE	<ul style="list-style-type: none"> Processing plant (225tpd, never commissioned) 24-person camp 600kw generator Core processing facility
POWER	<ul style="list-style-type: none"> Grid connected hydro-power

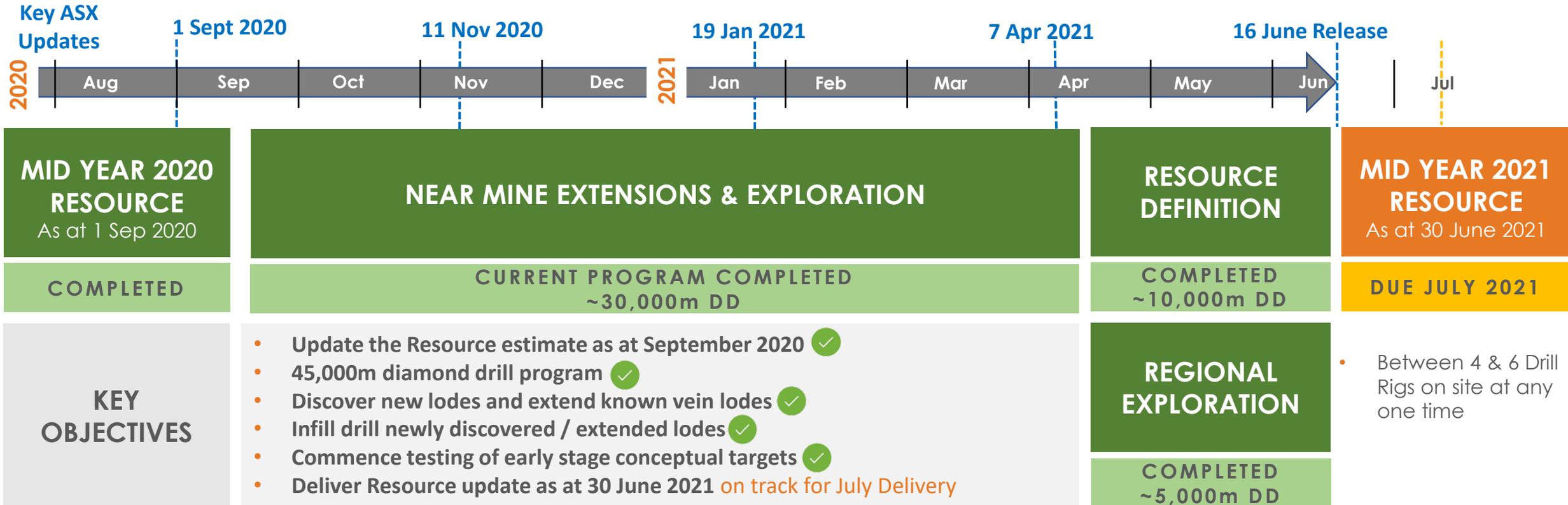


STRATEGIC WORK PLAN

Strong progress made in the advancement of Pickle Crow



AuTECO Work Plan – September 2020 to July 2021



STRATEGIC WORK PLAN HIGHLIGHTS TO DATE

FOCUS	DELIVERED HIGHLIGHTS TO DATE
Mid Year 2020 Resource	<ul style="list-style-type: none"> Resource upgrade to 1Moz gold at a grade of 11.3g/t Prepared in accordance with the JORC Code (2012 Edition)
Near Mine Extension	<ul style="list-style-type: none"> ~30,000m of near mine extension drilling completed Successfully discovered mineralised vein structures in the near-mine environment outside of the current Resource Continued to identify extensions to the known Resource veins Key drill results delivered outside of the current Resource included³: <ul style="list-style-type: none"> 0.6m @ 313.0g/t, 0.6m @ 42.9g/t, 1.0m @ 34.9g/t, 5.6m @ 33.4g/t, 1.2m @ 29.7g/t, 1.5m @ 26.6g/t, 1.3m @ 21.4g/t, 1.5m @ 19.3g/t, 1.6m @ 19.2g/t, 1.5m @ 19.3g/t, 1.2m @ 11.9g/t, 5.0m @ 9.5g/t, 3.6m @ 8.2g/t, 3.3m @ 8.0g/t, 2.3m @ 7.8g/t, 4.9m @ 7.5g/t, 4.6m @ 7.5g/t, 3.0m @ 7.4g/t
Resource Definition	<ul style="list-style-type: none"> ~10,000m of definition drilling completed Infill drilling completed on some of the newly discovered veins and extensions This data forms the basis of the updated MY2021 Resource estimation
Regional Exploration	<ul style="list-style-type: none"> ~5,000m of conceptual early stage exploration target testing completed Early success with the Carey Discovery (20.4m @ 5.3g/t, see this release)
Mid Year 2021 Resource	<ul style="list-style-type: none"> Interpretation, Estimation and Validation in progress To be announced July 2021

Drilling year to date has been focused on growth and determining the size potential of the mineralised system

All Auteco holes between September 2020 and July 2021 have been drilled outside of the 1Moz Resource, setting the stage for the July Resource update



EXPLORATION & GROWTH UPDATE

ASX Release June 16, 2021 – Highlights⁴

LONG TERM GROWTH



PATHWAY TO PRODUCTION

GENERATIVE



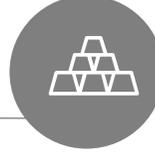
- Mapping and reconnaissance rock chip sampling conducted South of the Resource area
- Ground magnetic survey continue

DISCOVERY



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

RESOURCE GROWTH



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

ACTIVITY
Works Completed

RESULTS
June Release

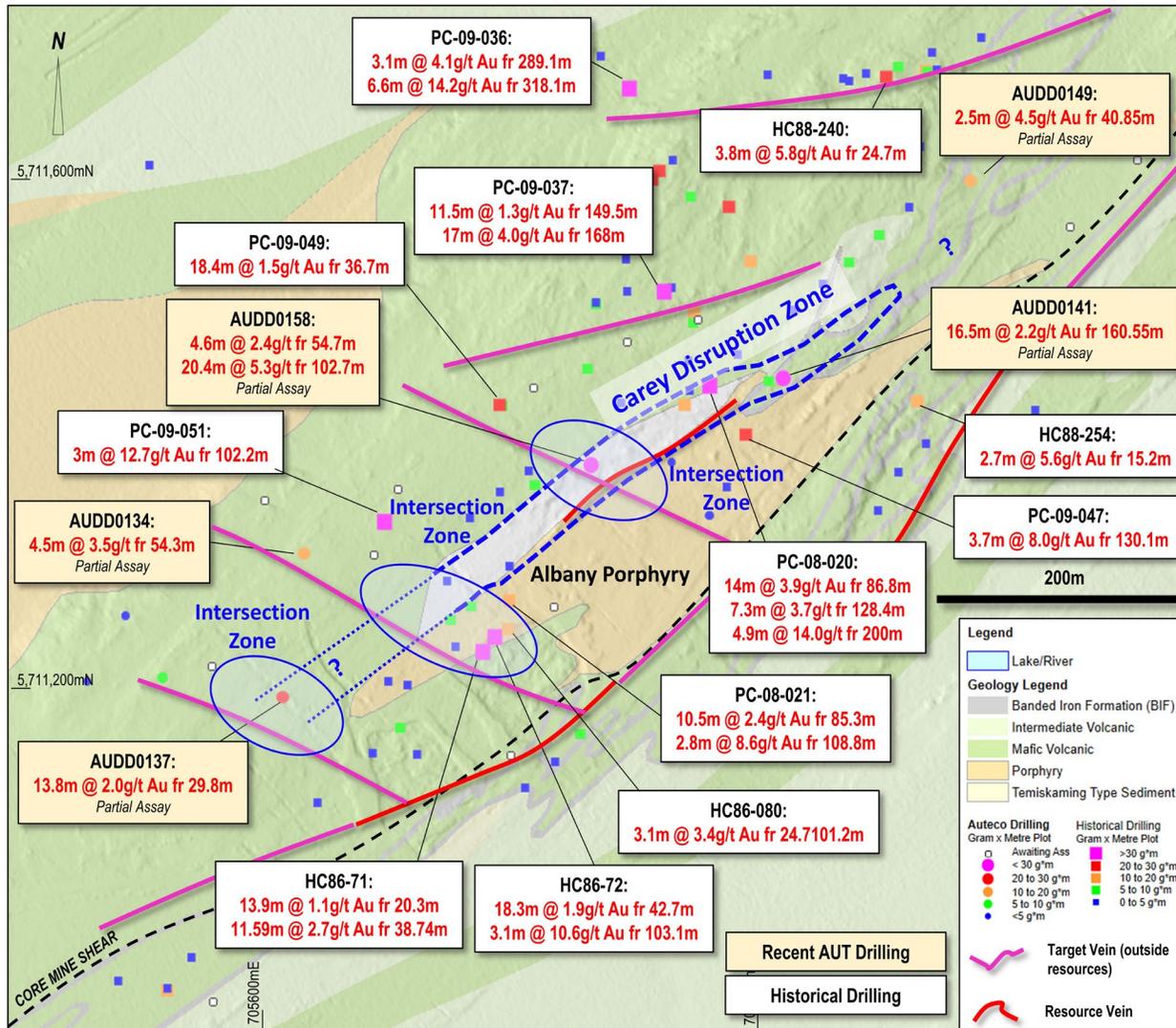
- Numerous **outcropping veins** traced and mapped at Springer prospect
- Rock chip samples include:
 - **145.7g/t gold**
 - **6.2 g/t gold**
 - **5.7g/t gold**
- Ground magnetics identified multiple structural offsets and **demagnetised zones**

- **Discovery 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**

- **Discovery of new structure** >250m from other AUT holes
 - **4.9m @ 7.5g/t gold**
- **Extensions of known veins**, will contribute to Resource update. 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**

THE CAREY DISCOVERY

First Testing of a Conceptual Target



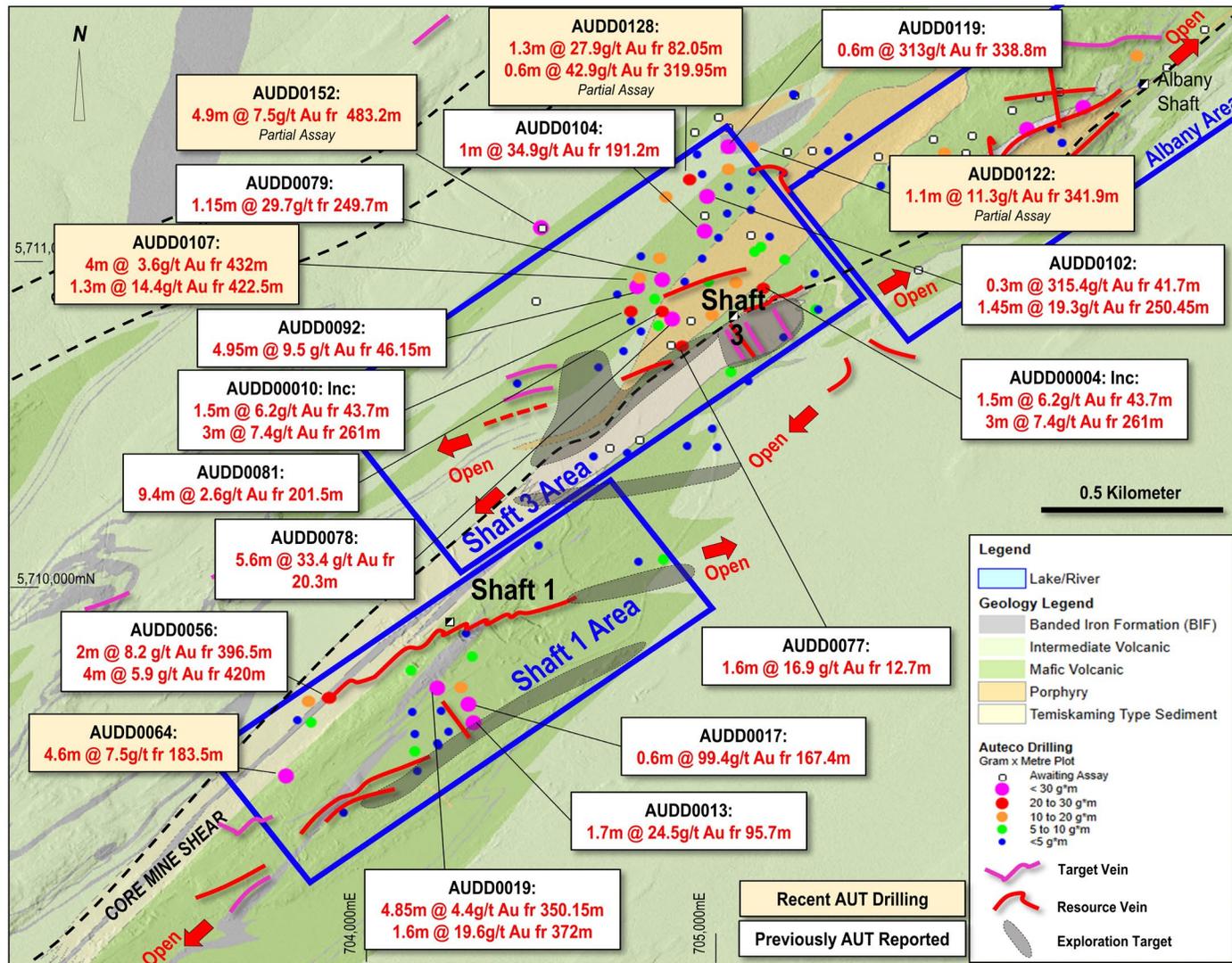
AUDD0158: 20.4m @ 5.3g/t gold⁵



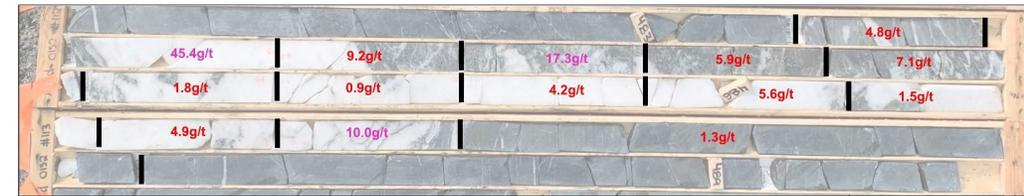
- Carey is the zone of structural disruption around the contact of the Albany porphyry and the intersection of later stage porphyritic dykes and NW-SE trending structures
- These structures have acted as **fluid conduits**
- This **style of mineralisation is different** to the vein hosted gold in the current 1Moz Resource
- It is hosted in broad **disseminated sulphide-rich alteration halos** and **qtz-sulphide veinlets**

NEAR MINE EXPLORATION & RESOURCE TARGETING

Shaft 3 Continues to Demonstrate Growth Potential⁶



AUDD0152: 4.9m @ 7.5g/t gold

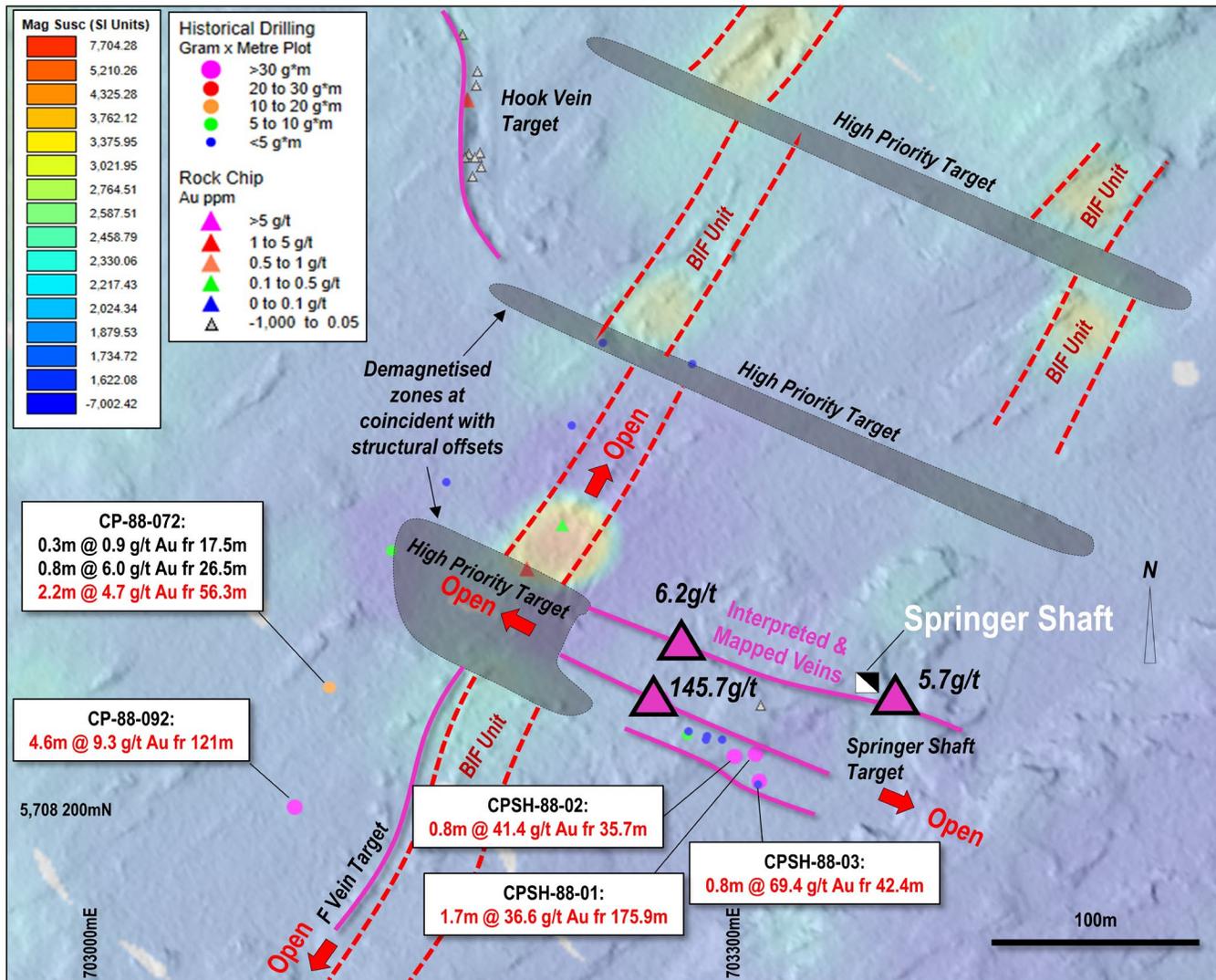


Further New Structures & Extensions to Underpin Resource Update

- Hole AUDD0152 (4.9m @ 7.5g/t gold) is a newly discovered structure >250m away from previous Auteco drilling, and remains open in all directions
- Drilling around shaft 3 is continuing to delineate a cluster of mineralisation to the North West of the current Resource. Results include:
 - 3.3m @ 8.0g/t gold
 - 4.6m @ 7.5g/t gold
 - 1.3m @ 21.4g/t gold
 - 1.3m @ 27.9g/t gold
 - 0.6m @ 42.9g/t
- The recent results will be incorporated into the mid year Resource update which is planned for release in July 2021

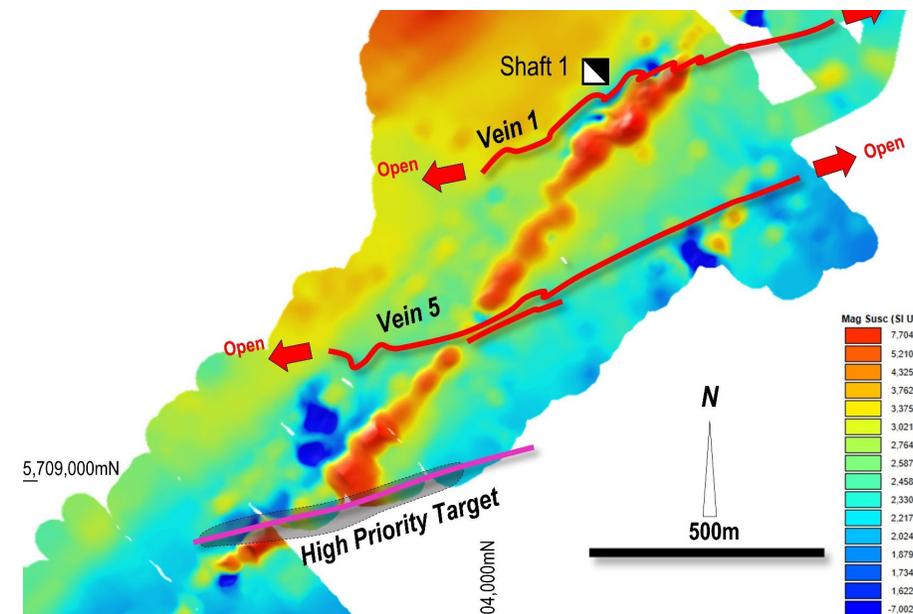
REGIONAL RECONNAISSANCE EXPLORATION

Mapping, Outcrop Sampling and Ground Magnetics Continue to Define Targets⁷



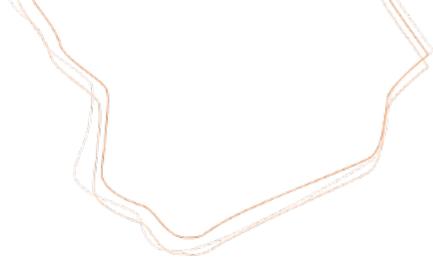
- Regional **reconnaissance exploration** has commenced away from the near mine area
- Detailed ground magnetic surveys are successfully delineating **structural offsets** and **demagnetised zones**
- Rock chip sampling** of outcropping quartz veins mapped as part of the regional program at Springer, located ~2kms south west of Shaft #1, returned gold assay results of:

145.7g/t, 6.2g/t, 5.7g/t, 4.3g/t, 1.5g/t, 1.46g/t



FORWARD WORK PLAN

Key Strategic Work Pillars for Pickle Crow to December 2021



LONG TERM GROWTH

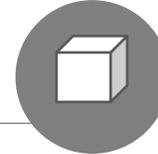
GROWTH & EXPLORATION



- 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

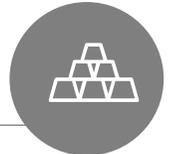


- Complete an updated **Mineral Resource Estimate**, prepared in accordance with the JORC Code (2012 Edition)

- All data **compilation and validation** for 2020-2021 drilling to date completed
- **Geological Interpretation** and wireframing in progress
- Cube consulting engaged to complete the **Resource estimate**
- Due for completion in **July**

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 from Ontario Ministry of END&M
 - Wood PLC engaged
- High level Assessment of milling infrastructure
- High level assessment of UG infrastructure and re-access options and capital requirements

OVERVIEW

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 +1Moz 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)⁸
- Independently estimated Resource of 1Moz at 11.3g/t Au⁹
- 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 (\$26.8M at 31 Mar 2021)
- 50km 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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PICKLE CROW RESOURCE ESTIMATE – SEPT 2020

Independent JORC 2020 Resource estimate for the Pickle Crow Gold Project (ASX 1st September 2020)

Independent JORC 2012 Inferred Resource Estimate at selected lower cut-off grades at the Pickle Crow Gold Project

Lower Cut-Off	Tonnes (Mt)	Grade Gold g/t	Gold Million oz
2.0 g/t Au	3.2	10.1	1.1
3.5 g/t Au	2.8	11.3	1.0
5.0 g/t Au	2.1	13.7	0.9

3.5 g/t gold lower cut off totals rounded to reflect acceptable precision



APPENDICES – PICKLE CROW ACQUISITION

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

Earn-in Details¹:

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 23rd 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.

