INVESTOR PRESENTATION I February 2 2023

AuTECO MINERALS

ASX : AUT

HIGH-GRADE CANADIAN GOLD RESOURCE OF 2.2MOZ AT 7.8G/T

- One of the highest grade +2Moz Inferred Resources globally in a Tier-One mining region
- Strong growth trajectory with exceptional exploration upside
- Historic mine site, nearby roads with ready access to hydropower
- Company led by former Bellevue Gold and Northern Star personnel

DISCLAIMER & CAUTIONARY STATEMENTS

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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 by 500,000oz to 2.23Moz at 7.8g/t" and dated 15 February 2022. 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 – 8.9 Mt @ 7.8 g/t gold for 2.23M 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, 2/08/2021, 5/10/2021, 2/12/2021, 18/1/2022, 3/5/2022, 23/6/2022, 22/11/2022 and 24/1/2023. 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.

THE WORLD-CLASS PICKLE CROW GOLD PROJECT

AuTECO MINERALS

Pickle Crow has one of the highest grade +2Moz gold Resources globally in addition to significant district-scale discovery potential

LOCATION

- Operating in a stable Tier 1 mining jurisdiction, Ontario Canada
- Year-round access, support infrastructure
- In a prolific mineral belt with <40Moz gold endowment

THE ASSET

- Long history of producing high-grade gold
- Historic production of 1.5Moz at 16.1g/t gold (1935 to 1966)
- Processing plant, historic underground development

GROWTH

- Strong outlook with clear growth strategy
- Inferred Resource of 2.2Moz at 7.8g/t gold
- Exceptional camp-scale targets on 500km^2 of exploration claims

PICKLE CROW MINERALISATION STYLES

Bulk and narrow mineralisation styles have the potential to provide operational flexibility

QUARTZ-VEIN HOSTED

High-grade narrow vein mining

Vein resource at Dec 31 2021: 1.9Moz @ 9.3g/t gold

- Source of the historic production at Pickle Crow (1.5Moz @ 16.1g/t gold)
- High grade narrow veins, low sulphide content, free milling
- Consistent vein structures with internal high-grade shoots, multiple orientations

RESULT HIGHLIGHTS

- 7.3m @ 33.3g/t
- 7.8m @ 16.7g/t
- 2.0m @ 68.3g/t
- 2.1m @ 31.8g/t
- 3.3m @ 15.9g/t

BANDED IRON HOSTED

Bulk mining methods

BIF Resource at Dec 31 2021: 300koz @ 3.6g/t gold

- Not mined historically at Pickle Crow where the COG was 8g/t
- Broad zones of sulphide mineralisation (to +20m wide) of moderate grade (typically 1 to >5g/t gold)
- Mined at nearby deposits including Musselwhite (+5Moz) and Dona Lake

RESULT HIGHLIGHTS

- 20.4m @ 5.3g/t
- 19.5m @ 3.3g/t
- 10.5m @ 3.6g/t
- 6.0m @ 5.8g/t
- 14.9m @ 2.2g/t

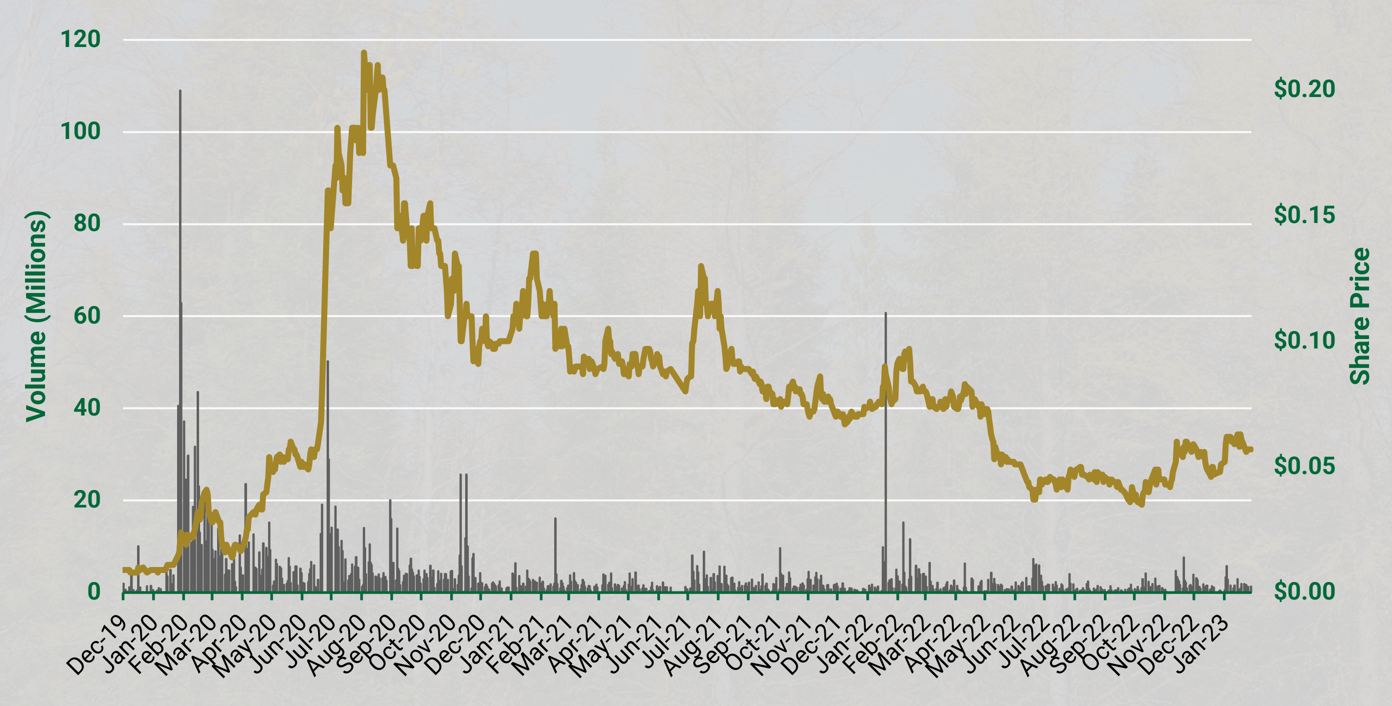
CORPORATE OVERVIEW

Exceptional institutional share register with a strong balance sheet to fund future growth

CURRENT SHARE PRICE [1]
A$0.057

MARKET CAPITALISATION [1]
~A$118m

CASH POSITION [2]
~A$5.4m



CAPITAL STRUCTURE

ASX Code	AUT
Shares on issue	2.1B
Unlisted options & performance rights	256M
Top 20 Shareholders	64%

SHAREHOLDER SUMMARY

Board & Management (on a fully diluted basis)	16%
Australian & Global Institutions	41%
Substantial Shareholders	
1832 Asset Management	14.2%
Franklin Resources, Inc.	7.8%
Campbell Kitchener Hume & Assoc.	5.5%
Symorgh Investments	5.2%

1. Indicative as at market close on 30 January 2023.
2. Balance net of payables as of 31 December 2022.

BOARD AND MANAGEMENT

A Leadership Team with management DNA and success in the resources sector

Ray Shorrocks
EXECUTIVE CHAIRMAN

27 years experience working in the investment banking industry, highly conversant and experienced in all areas of mergers and acquisitions and equity capital markets.

Significant track record of transactions in the metals and mining sectors

Previous Chairman of Bellevue Gold

Steve Parsons
NON-EXECUTIVE DIRECTOR

Experienced geologist with a proven track record of mineral discoveries, corporate growth, international investor relations and creating shareholder wealth.

Founder and former Managing Director of Gryphon Minerals.

Founder and Managing Director of Bellevue Gold.

Michael Naylor
NON-EXECUTIVE DIRECTOR

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

Involved in the financial management of mineral and resources focused public companies serving on the board and in the executive management teams.

Non-Executive Director of Bellevue Gold and Executive Director of Cygnus Gold

Kevin Tomlinson
NON-EXECUTIVE DIRECTOR

Highly experienced mining executive with over 35 years experience across geology and investment banking in multiple jurisdictions including Canada, Australia, Africa and the UK.

Highly experienced in corporate M&A and equity raising.

Previously Managing Director of Investment Banking at Westwind Partners and Stifel Nicolous, and held directorships at numerous companies including Centamin PLC.

Non-Executive Independent Chairman of Bellevue Gold

Darren Cooke
CHIEF EXECUTIVE OFFICER

Geologist with over 25 years' experience having previously held senior positions in global majors including Barrick Gold, Newmont and Northern Star Resources

Extensive gold industry experience in Australia and North America spanning regional and near mine exploration, operational geology, long-term planning and corporate development

Maddison Cramer

JOINT COMPANY SECRETARY

Bellevue Gold, Midas Minerals, Cygnus

William Nguyen

CHIEF FINANCIAL OFFICER & JOINT COMPANY SECRETARY

Regis, Cliffs Natural Resources

Juan Gutierrez

GROUP CHIEF GEOLOGIST

Northern Star, Golder Associates

Tabatha LeBlanc

VICE PRESIDENT – ENVIRONMENT & COMMUNITY

Generation Mining, Trans Canada Pipeline

GROWTH STRATEGY

Three key areas of organic growth

Key Activities

- Target generation
- Data acquisition
- Drill testing

Regional Discovery

on the 500km^2 of exploration claims

Near Mine Growth

BIF

Qtz Veins

within 2km of current 2.2Moz Resource

Environment Community & Sustainability

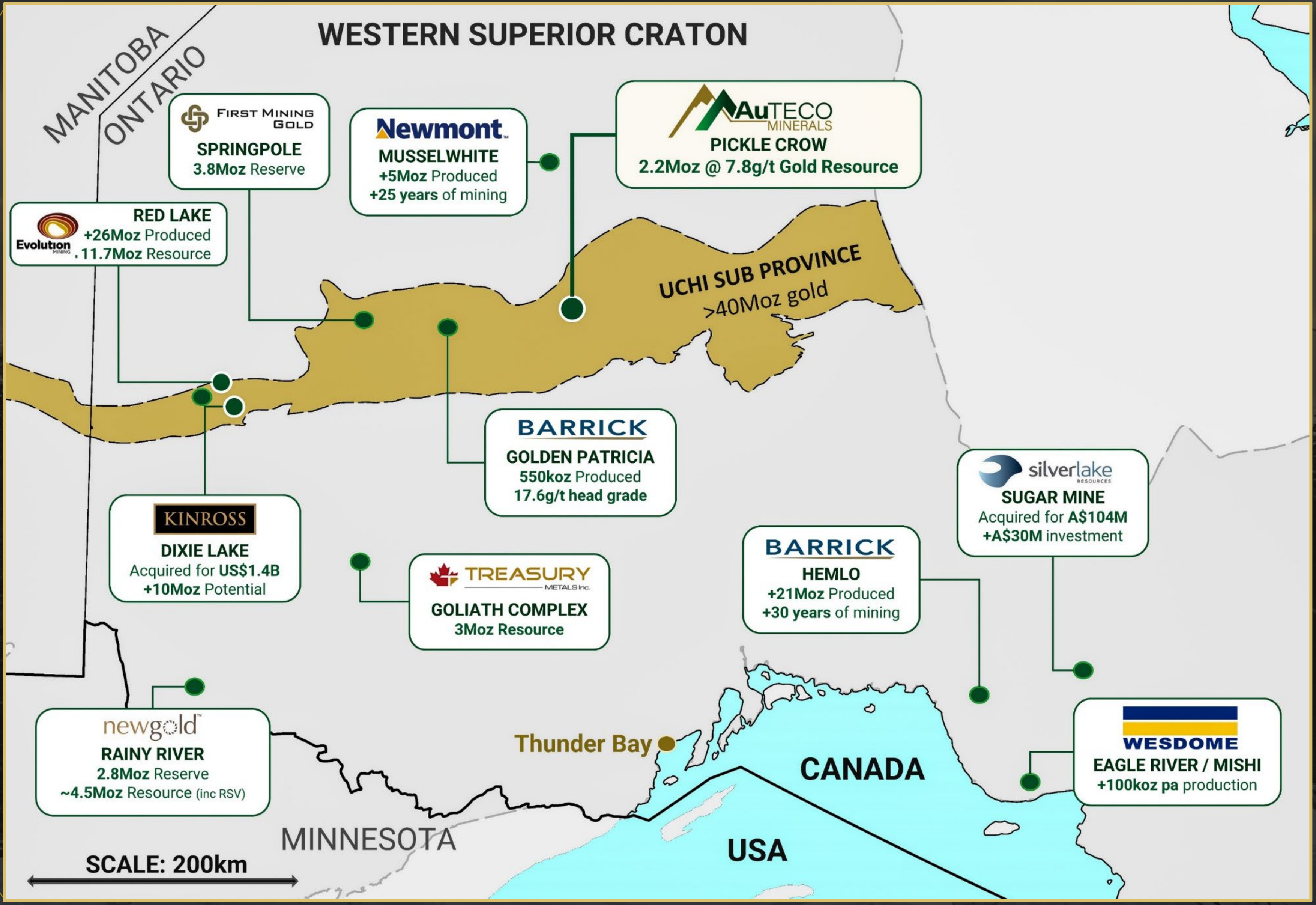
Potential Pathway to Production

Key Activities

- Near-mine exploration
- Increase the existing 2.2Moz Resource
- Resource Conversion

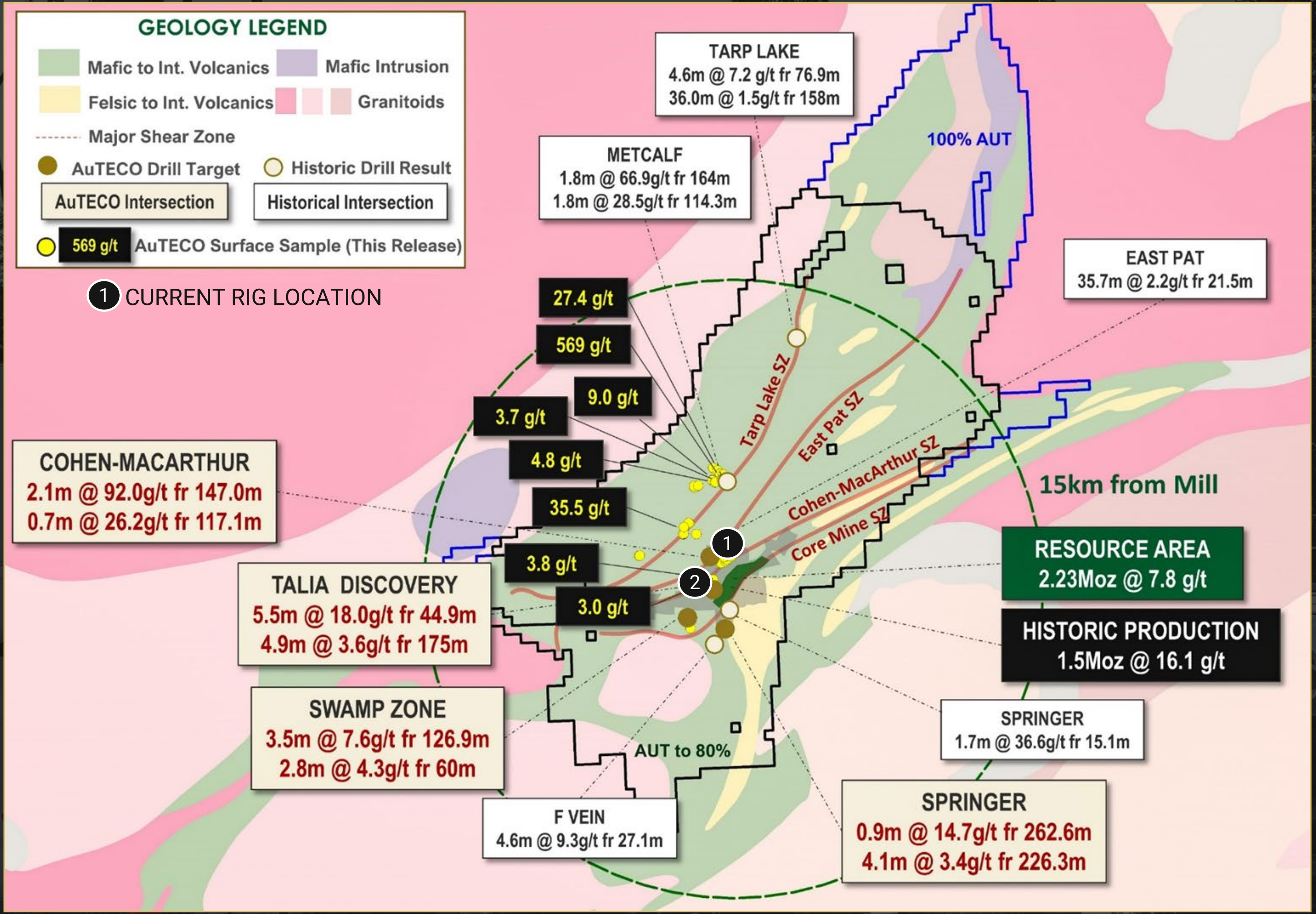
EXCEPTIONAL GEOLOGICAL SETTING

A significant 500km² footprint in one of the best addresses to find high-grade gold



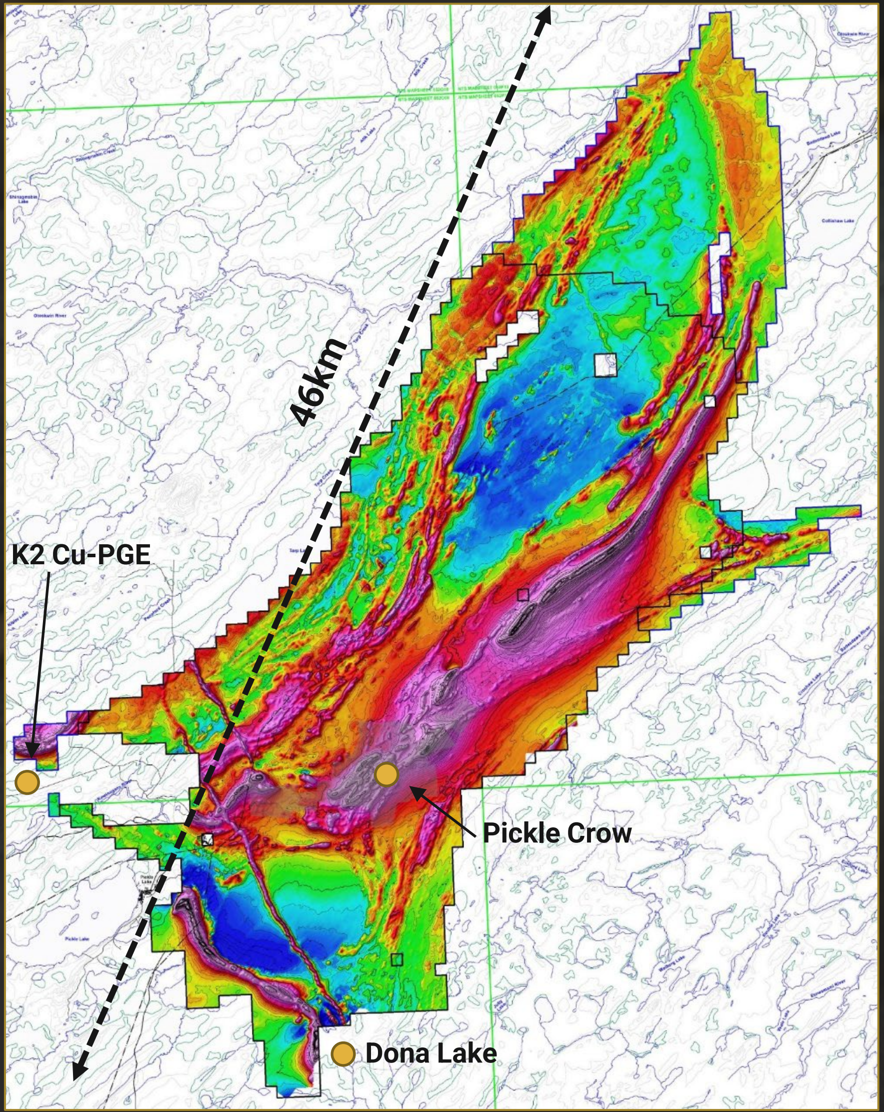
REGIONAL DISCOVERY

AuTECO has an entire mineral district – not just the Pickle Crow deposit

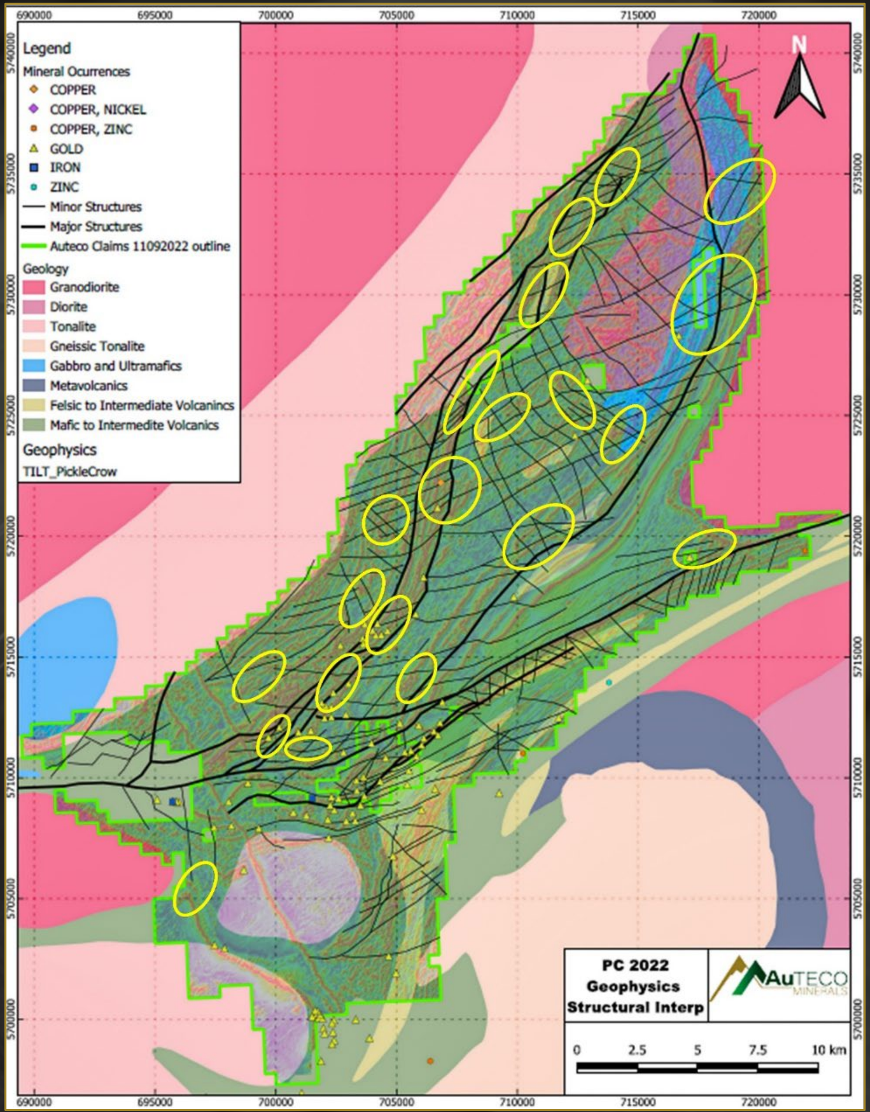


AN UNPRECEDENTED CAMP-SCALE DATASET

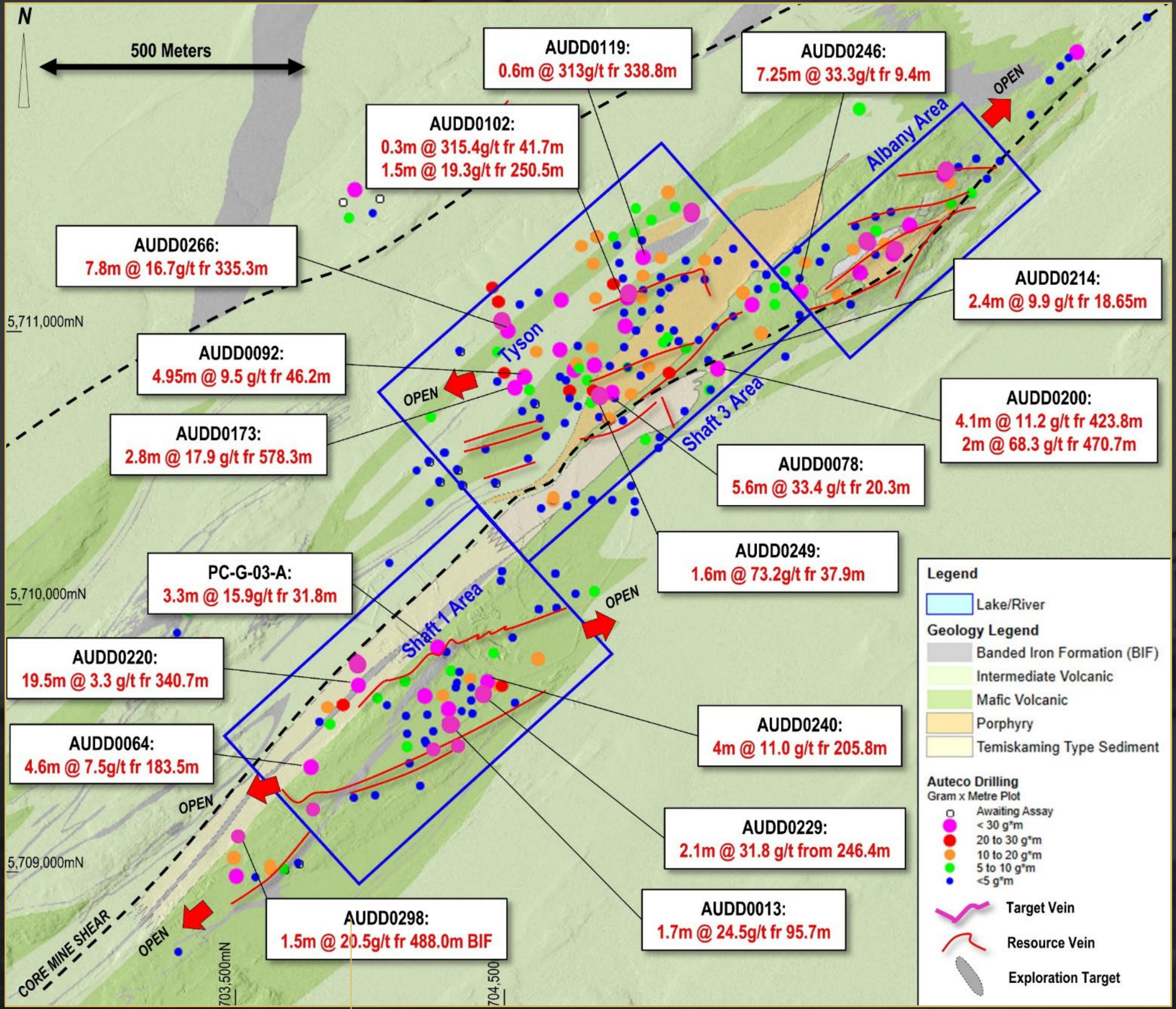
HELI-MAG DATA 2022

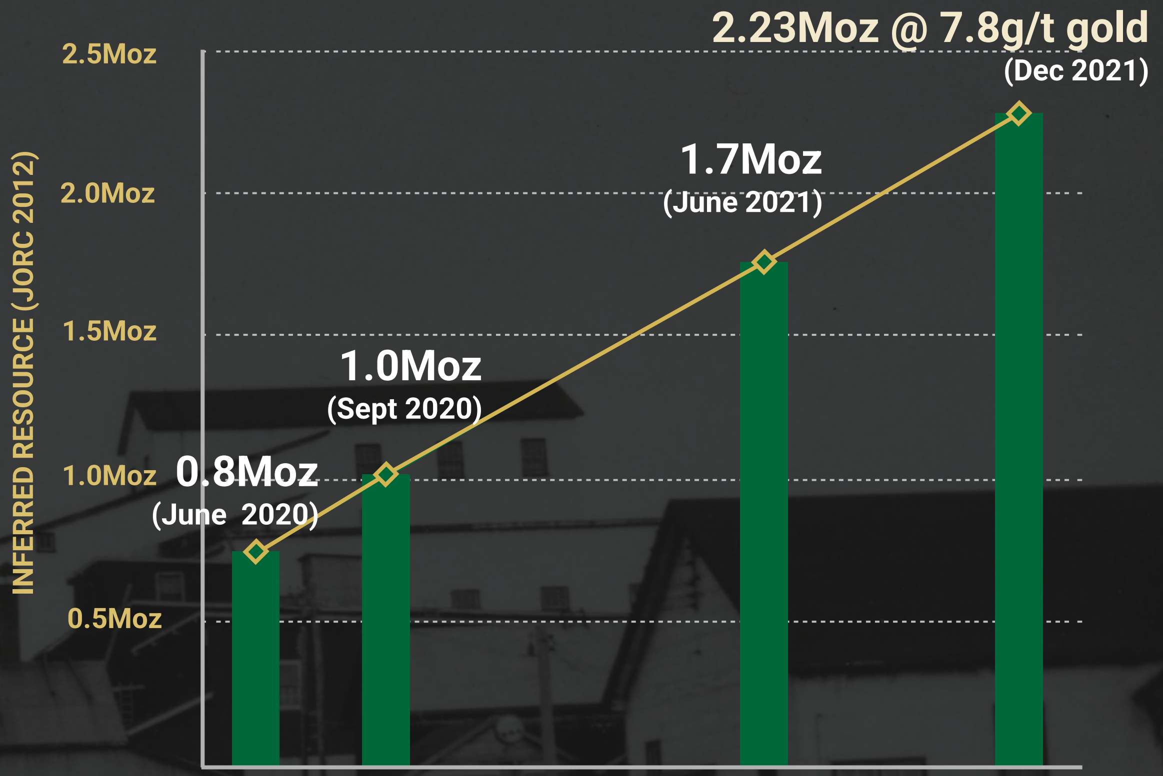


INTERPRETATION & TARGETING



SIGNIFICANT POTENTIAL TO GROW THE 2.2MOZ INFERRED RESOURCE

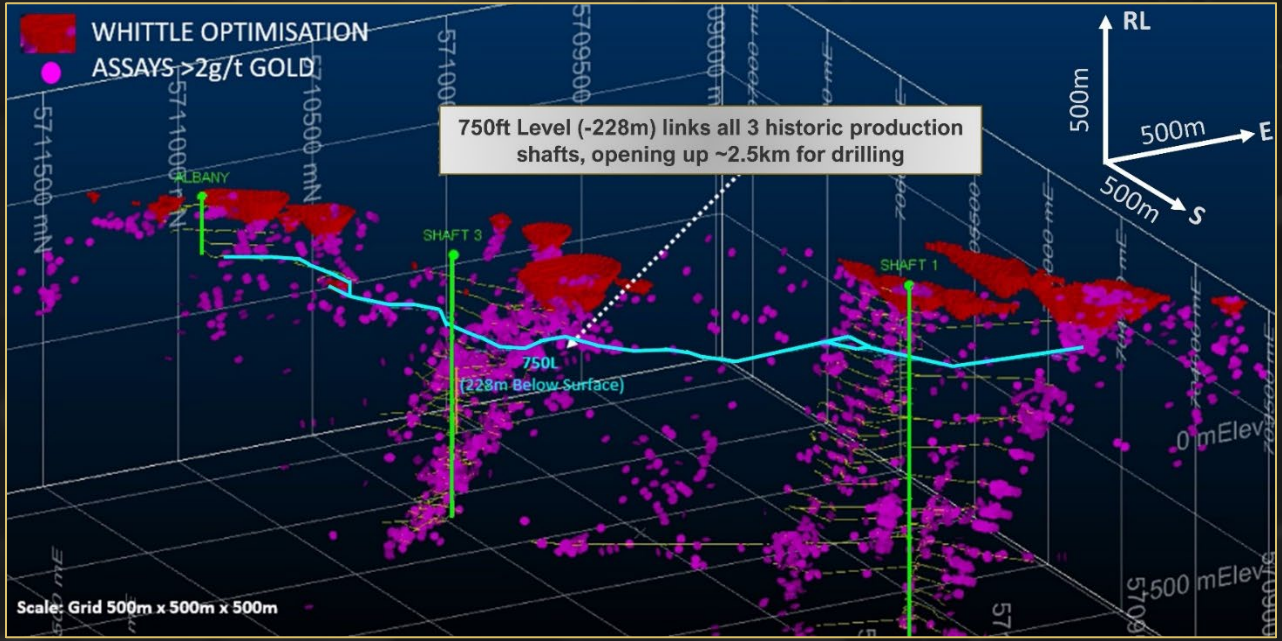




Drilling to date has focused on the top 500 metres. Conversion to Reserve will be most effectively completed from underground

POTENTIAL PATHWAY TO PRODUCTION

With an Inferred Resource base of 2.2Moz, AuTECO is advancing the Pickle Crow project that has historically produced 1.5Moz at 16.1g/t



Isometric view of the Pickle Crow deposit, showing drill intersections >2g/t gold and historic underground mining infrastructure

Pre-emptive Permitting Activities

- Baseline monitoring
  - Flora, Fauna, Groundwater
- Closure Planning
- Extended community consultation

Resource Conversion & Underground Access

- Re-access underground for Resource infill conversion and exploration
  - Study to cost capital for various options including shaft rehab, exploration decline and pit/decline combination
- Infill drill near surface open pit Resources

Conceptual Mining Studies

- Internal scoping-study on Inferred Resource model
- Mining optimisations (Whittle, MSO) to demonstrate economic viability at the Inferred Resource stage

FOCUS OF ACTIVITIES – H1 2023

Building on an exceptional 2022 to fast-track exploration of one of the most prospective gold exploration plays in addition to advancing the 2.2Moz gold Resource towards production

FAST-TRACK REGIONAL EXPLORATION

- 500km^2 land holding in one of the most prospective gold camps globally
- Accelerate drilling during winter - best time to access
- Test the scale of the system

RESOURCE EXPANSION

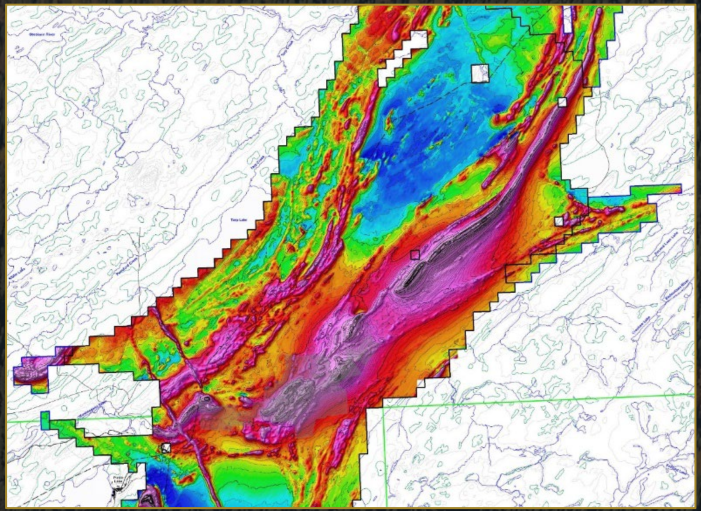
- Expand the current 2.2Moz @ 7.8g/t gold Inferred Resource – critical to de-risk and right-size infrastructure
- Follow up exceptional results from Tyson
- Continue to evaluate bulk mining opportunity (open pit, BIF)

CONCEPTUAL STUDIES

- Complete scoping-level studies on underground access for both Resource conversion and exploration purposes at Pickle Crow
- Follow up exceptional results from Tyson
- Continue to evaluate bulk mining opportunity (open pit, BIF)

A COMPELLING INVESTMENT OPPORTUNITY

One of the highest grade +2Moz Inferred Resources with strong potential to grow



LOCATION

- Operating in a stable **Tier 1 mining jurisdiction**, Ontario Canada
- In a prolific mineral belt with **>40Moz gold endowment**

THE ASSET – PICKLE CROW

- **Long history** of high-grade gold production (1.5Moz @ 16.1g/t)
- **Year-round access** with quality infrastructure and large regional land holding

UPSIDE

- Exceptional **discovery potential** in a consolidated mineral district
- Near-mine Inferred Resource base of **2.2Moz @ 7.8g/t** gold; remains **open** in all directions

AuTECO MINERALS

ENQUIRIES?

Level 2, 8 Richardson Street
West Perth WA 6005

GPO Box 2884
West Perth WA 6872

E. info@autecominerals.com

P. +61 (8) 9220 9030

ASX: AUT

APPENDICIES

- 1. Geological Setting of Pickle Crow
- 2. Processing plant
- 3. Environment, Social & Governance
- 4. Recent near-mine results (24 Jan 2023)

APPENDIX 1 - PICKLE CROW GEOLOGICAL SETTING

A World-class setting in the prolific Superior Craton

CONTINENT
North America

TECTONIC ELEMENT
Laurentia Superior Craton

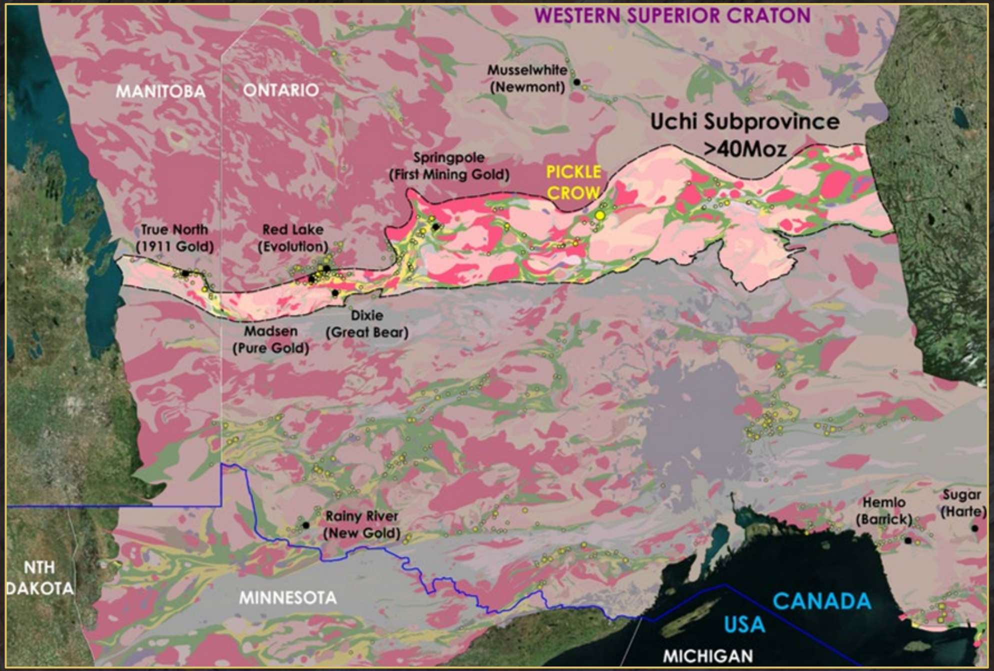
PROVINCE
Uchi Sub-province

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)
  - Dixie (Kinross)
  - Springpole (First Mining Gold)
  - Madsen (Pure Gold)



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

APPENDIX 2 - PROCESSING PLANT

The processing plant was constructed in 2004 and never commissioned. This provides flexibility for a low capital staged ramp up to full production potential

CAPACITY[1]
100,000 tonnes per annum
310 tonnes per day

COMMUNUTION
Crushing circuit and ball mill

GOLD RECOVERY
Knelson concentrators and gravity table

PERMITTING & TAILINGS
Partially permitted TSF

START-UP
Reviewed by Ausenco in November 2021
- C$2.7M as is
- C$37M to expand to 300ktpa & add a CIL

Photographs taken in September 2021

1. Please note these figures represent the nameplate capacity of the processing plant and are not indicative of AuTECO's proposed future production

APPENDIX 3 - ENVIRONMENT, SOCIAL AND GOVERNANCE

AuTECO MINERALS

Sustainability is at the forefront

Environment

- Commitment to baseline monitoring and progressive rehabilitation
- Minimisation of disturbance, maintaining a healthy ecosystem
- Improve what AuTECO inherited (legacy site)

Community

- Agreement signed with Mishkeegogamang Ojibway First Nation
- Avoidance of culturally and spiritually sensitive areas
- Participation in local community activities

Inclusion

Energy

- Hydro power available for future mine development

Safety

- No LTI's on site 2020-2023 YTD
- Safety committee, risk assessments and governance processes in place

APPENDIX 4 - RECENT NEAR MINE RESULTS

ASX Update – 24 January 2023

KEY POINTS

- Tyson continues to deliver with some exceptional results
- Step-out hole ~70m from hole AUDD0266 (7.8m @ 16.7g/t) contained multiple veins in interpreted position
  - 2.7m @ 16.1g/t gold
  - 7.9m zone of low-grade followed by:
  - 2.3m @ 16.4g/t gold
- New BIF Zone found in the Vein 5 area, further demonstrating the potential bulk mining scenarios:
  - 11.9m @ 3.5g/t gold
  - Follow up drilling in progress
- New vein discovered in the Vein 19 HW position returns an intersection of:
  - 5.7m @ 5.4g/t gold