

NOOSA MINING VIRTUAL CONFERENCE

A RAPIDLY ADVANCING HIGH-GRADE GOLD PROJECT



AuTECO
Minerals

July 2020 | ASX: AUT

Maiden
Independent
JORC Inferred
Resource
830,000oz
@ 11.6 g/t Gold

Pickle Crow Gold Project
Ontario, Canada

DISCLAIMER

Forward Looking Information & Competent Persons Statement

DISCLAIMER

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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.

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COMPETENT PERSONS' STATEMENTS is based on information compiled by Mr Marcus Harden who is a member of the AIG, Australian Institute of Geoscientists (AIG)). Mr Harden has sufficient experience relevant to the styles of mineralisation and type of deposit under consideration and to the activity which they are undertaking to qualify as a Competent Person, as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Harden is a full-time employee of Auteco Minerals and has consented to the inclusion of the matters in this report based on his information in the form and context in which it appears. Mr Harden currently holds interest in the securities of Auteco Minerals Ltd. This information was prepared and first disclosed under JORC Code 2004. It has not been updated since to comply with the JORC Code 2012 on the basis that the information has not materially changed since it was last reported.

HIGHLIGHTS

**Maiden Independent JORC Inferred Resource Estimate of 830,000oz @ 11.6 g/t gold¹
in one of Canada's most prolific mining districts**

- This large high-grade resource runs from surface immediately adjacent to existing underground and surface infrastructure
- Mineralisation remains OPEN along strike and at depth with multiple lodes still outside of resources
- Maiden Diamond drill program expanded to +10,000m
- Two diamond drill rigs active on site with third rig mobilising
- Low risk exploration focused on rapid resource growth with resource update anticipated in Q4 2020
- Excellent historical gold recoveries of +98.8%
- Granted mining licences (to May 2067) with excellent infrastructure
- Well funded ~A\$33 million cash³

Was one of Canada's highest grade mines with historic production of 1.5 Moz @ 16 g/t gold⁴

Mined from 1935 – 1966 at an 8 g/t gold cut-off.
Limited exploration since closure

Outlook 2020

- Increased drilling campaign to +10,000m
- Assays due Q3
- Resource update Q4

Scope for rapid resource growth with drilling outside of current resources including²:

- 10.7 m @ 50.9 g/t gold
- 6.9 m @ 17.7 g/t gold
- 1.5 m @ 444.4 g/t gold
- 0.9 m @ 878.7 g/t gold

¹ For further details refer to ASX Resource Estimate announcement on 29 June 2020.

² For further details refer to ASX announcement on 28 January 2020 and 26 March 2020.

³ At 16 July 2020.

⁴ 2015 Institute on Lake Superior Geology Fieldtrip Guidebook:
<http://flash.lakeheadu.ca/~pnholli/IISGVolumes/2015%20Field%20guide%20sm.pdf>

BOARD AND KEY MANAGEMENT

A track record of discoveries and significant company growth



Executive Chairman
Mr. Ray Shorrocks

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 Shorrocks also sits on a number of ASX listed Boards including Galilee Energy Limited, Cygnus Gold and HCD Limited. Mr Shorrocks was previously the Chairman of Bellevue Gold 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 +1.8 Moz of gold @ 11g/t in just two years and grown Bellevue to an ASX300 Company.



Non-Executive Director
Mr. Michael Naylor

Michael is a chartered accountant with 22 years' experience in corporate advisory and public company management. He has been involved in the financial management of public companies serving on the board and executive management teams focusing on advancing and developing mineral resource assets.



Executive Technical Director
Mr. Sam Brooks

Sam is an experienced geologist with more than 16 years of experience in gold exploration, resource estimation and project development. He has been instrumental in leading geological teams to discover more than 7 million ounces of gold globally.



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.

CORPORATE SUMMARY

Foundations for a quality register

Capital Structure

ASX Code	AUT
Shares on issue¹	1.568B
Management & consultant options¹ (prices from \$.007 - \$.015)	385M
Top 20 Shareholders¹	56%

Shareholder Summary

Board and Management (on a fully diluted basis)	31%
Total Australian and Global institutions	14%
Substantial shareholders - 1832 Asset Management LP	5.23%

¹ As at 16 July 2020

Current Share Price¹

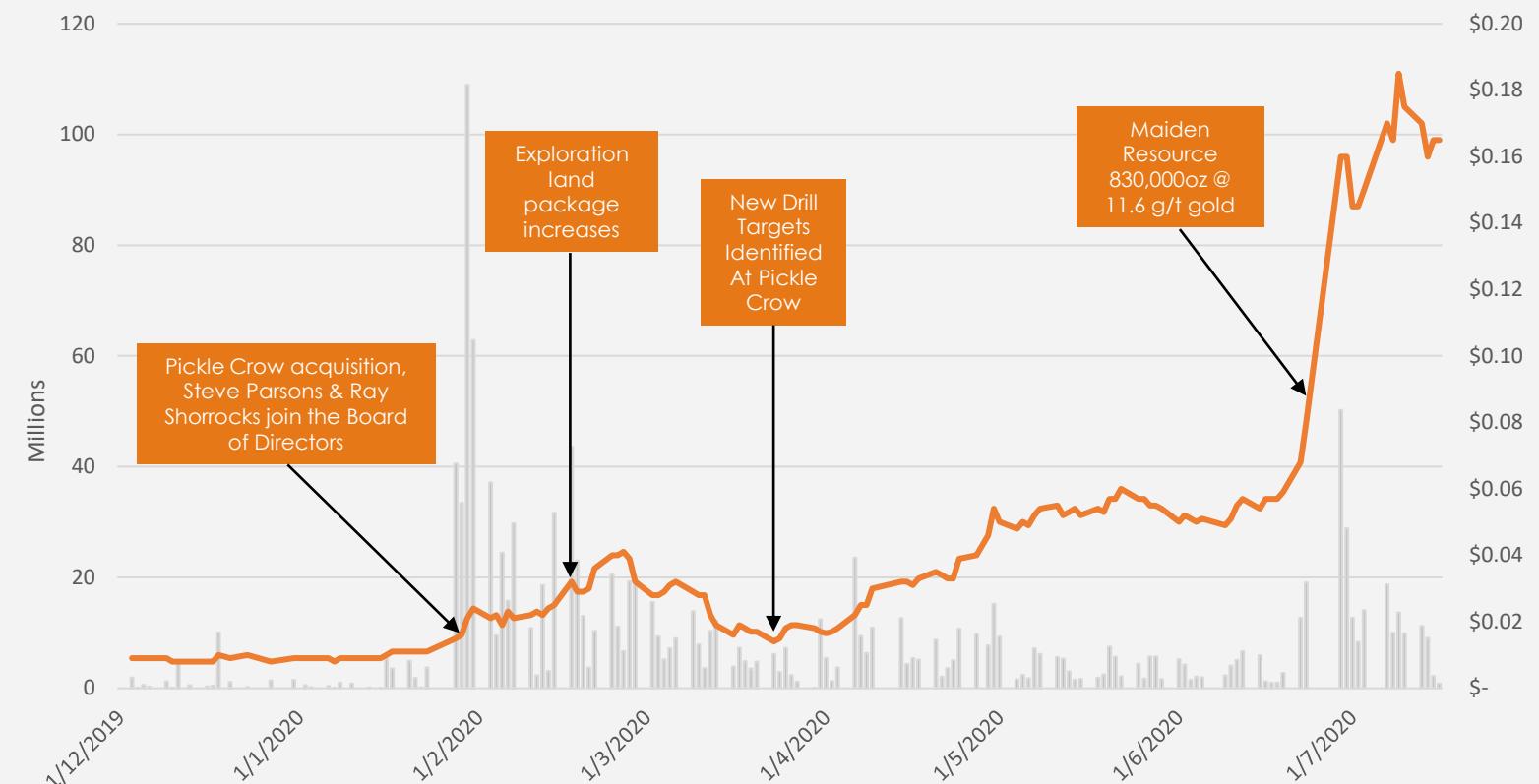
A\$0.165

Market Capitalisation

A\$259M

Cash¹

A\$33M

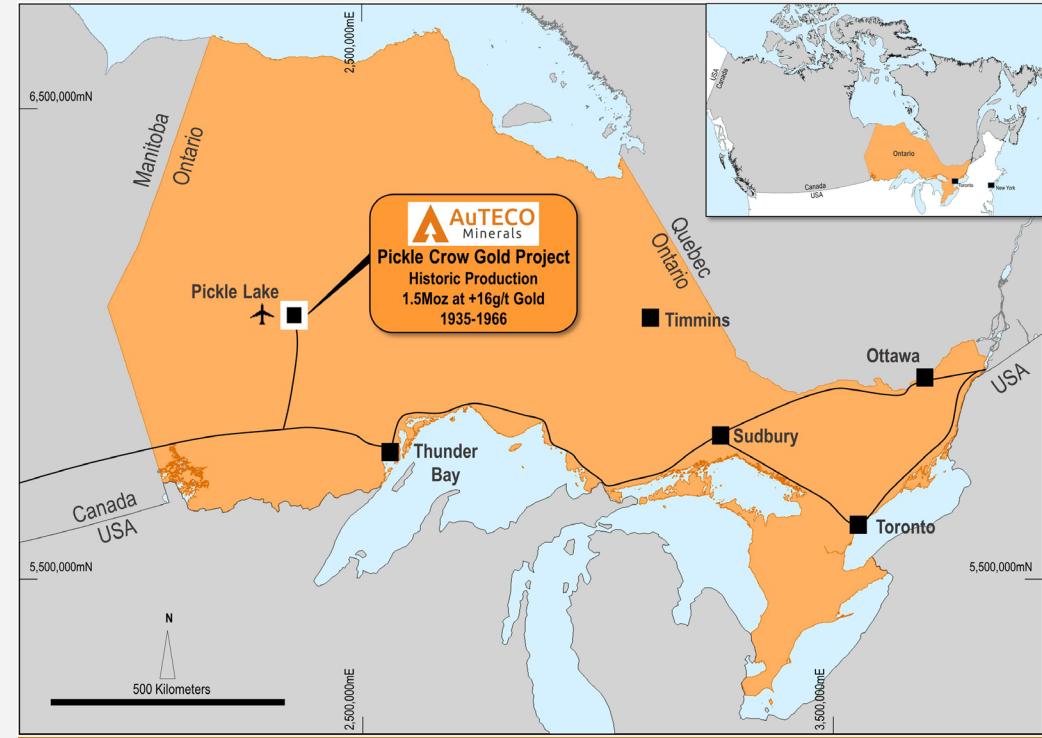


EXCEPTIONAL INFRASTRUCTURE

Year-round access with existing infrastructure (camp, mill, generators and core shacks) on-site

Pickle Crow's existing infrastructure:

- Grid hydropower
- Sealed road through project
- Daily flights – Thunder Bay to Pickle Lake
- On-site exploration infrastructure, 24 man field camp, core shed, existing Mill, 600kw Generators etc
- Year-round exploration possible with road access for drilling



- +320 km² landholding in major gold producing district
- Active mining licenses expiring May 2067 – ready to go
- Ontario is a top global mining jurisdiction
- Close to multiple major gold operations

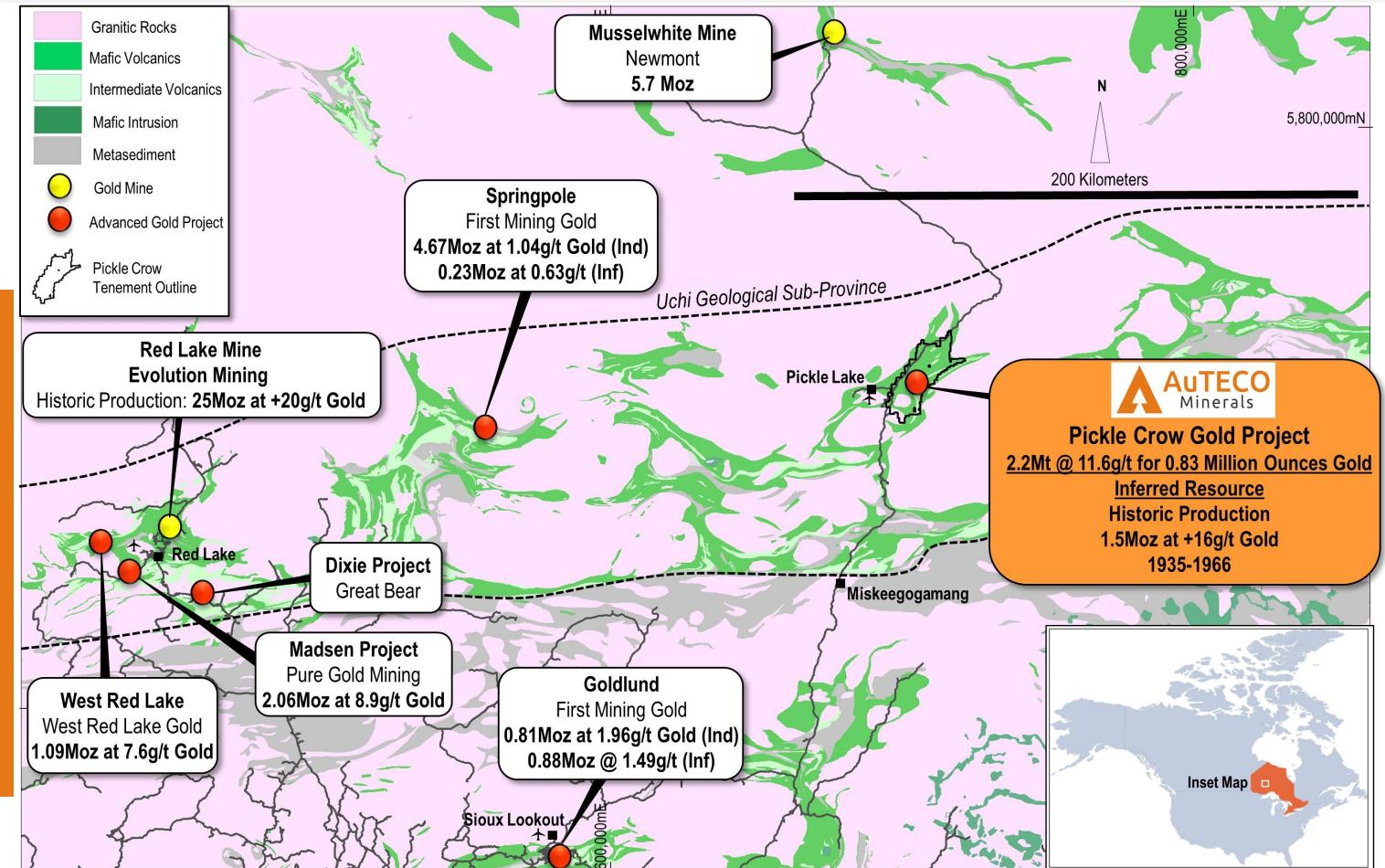
WORLD-CLASS MINING DISTRICT IN ONTARIO, CANADA

Tier one jurisdiction with large, high-grade gold mines

Auteco earning in to more than 320 km² landholding within prolific gold province

Major gold deposits

- Red Lake (Evolution Mining)
- Musselwhite (Newmont)
- Springpole (First Mining Gold)
- Madsen (Pure Gold Mining)
- West Red Lake (West Red Lake Gold)



PICKLE CROW – UNLOCKING THE POTENTIAL

Focusing on additional shallow high-grade gold resources within proximity to the 'headframe'

- Pickle Crow deposit originally discovered in early 1930s & mined until 1966 due to gold price of \$35/oz.
- Mine produced 1.5 Moz gold at 16 g/t. Mine closed with all high grade veins open in all directions.
- Property held by various operators before PC Gold consolidated the regional ground position in 2007. PC Gold acquired by First Mining Limited in 2014.
- First Mining conducted limited exploration as focused on its other gold project.
- Auteco to focus on discovering & developing new, project-scale, high-grade, near-surface, JORC-compliant gold resources.



Pickle Crow Headframe circa 1960



Auteco has already commenced:

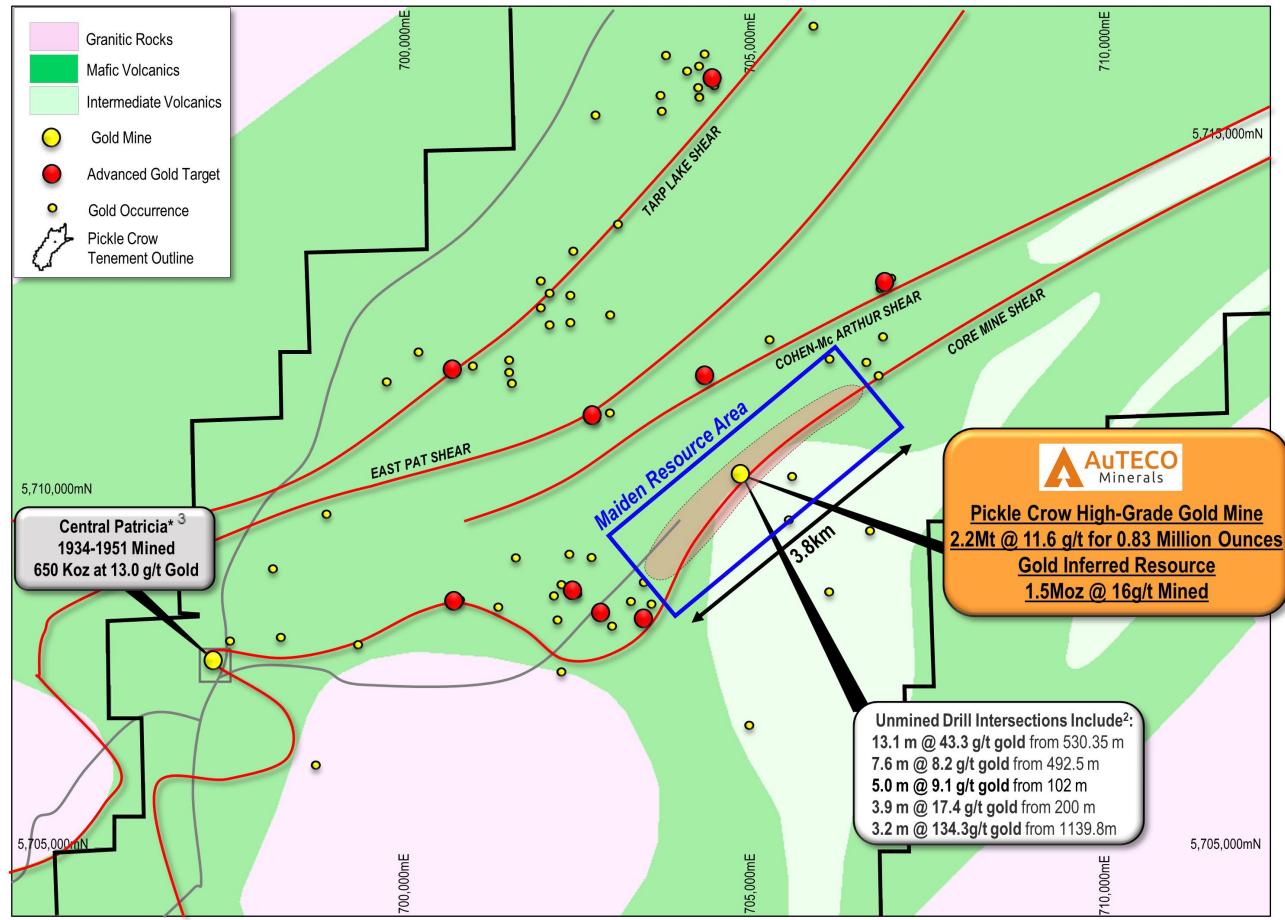
- Geological, structural & geological on ground reviews
- Maiden Resource of 0.83Moz at 11.6g/t gold¹
- +10,000m Diamond Drill Program Ongoing
- Two rigs active and third mobilising

¹ For further details refer to ASX Resource Estimate announcement on 29 June 2020.

² For further details refer to ASX announcement on 28 January 2020.

EXPLORATION IN THE “SHADOW OF THE HEADFRAME”

Maiden Independent JORC Inferred Resource of 830,000 oz @ 11.6 g/t gold¹ in one of Canada's most prolific mining districts



¹ For further details refer to ASX announcement on 29 June 2020.

² For further details refer to ASX announcement on 28 January 2020 and 26 March 2020.

³ 2015 Institute on Lake Superior Geology Fieldtrip Guidebook:

<http://flash.lakeheadu.ca/~pnhollin/ILSGVolumes/2015%20Field%20guide%20sm.pdf>

Historic Pickle Crow Mine: 4km strike length

**0.83 Moz @ 11.6 g/t Inferred Resources¹
1.5 Moz @ 16 g/t produced³**

Unmined intersections within the resource include:²

- 13.1m @ 43.3 g/t gold
- 3.2m @ 134.3 g/t gold
- 3.9m @ 17.4 g/t gold
- 7.6m @ 8.2 g/t gold

Walk-up drill targets at surface.

All lodes are OPEN down plunge adjacent existing underground development.

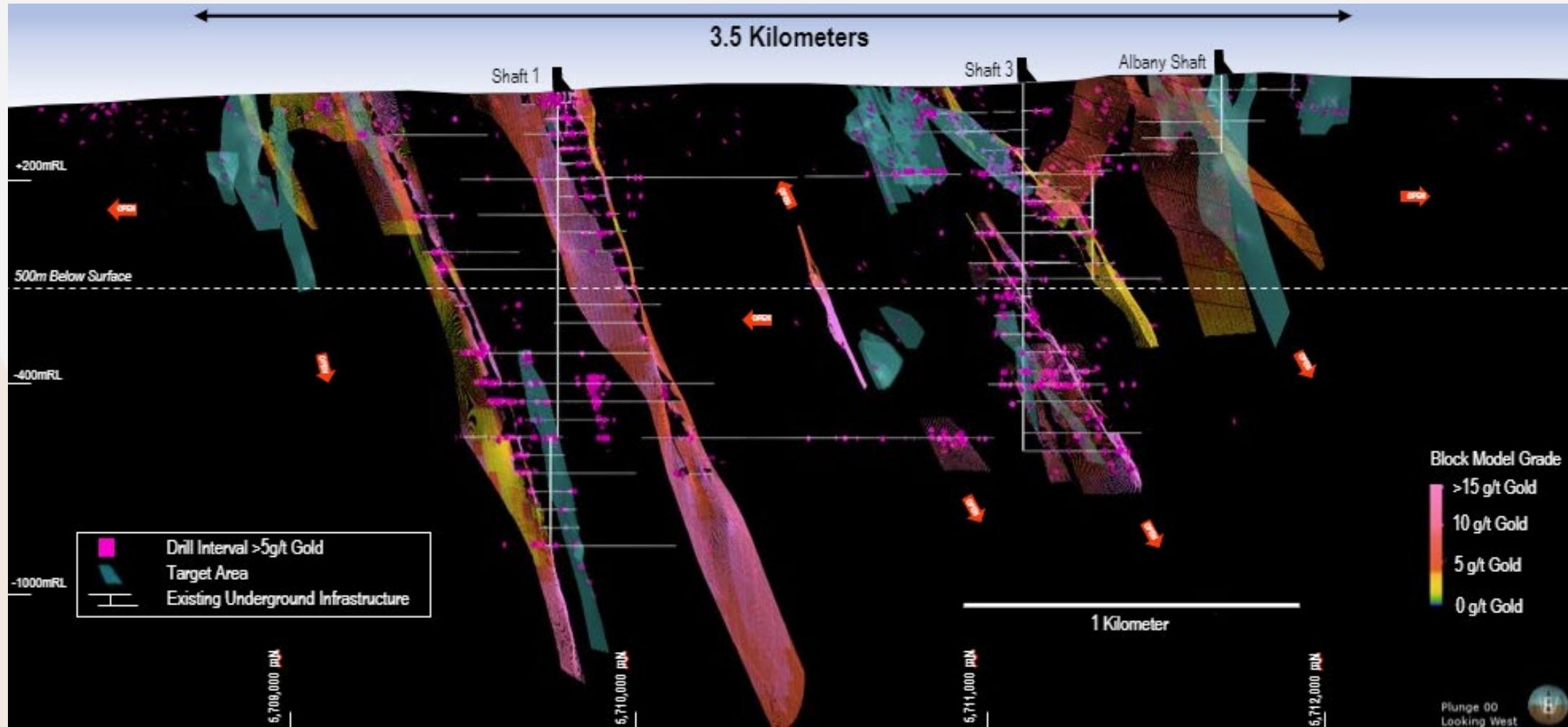
Numerous walk up targets adjacent and in proximity to the previous mine area.

+10,000m Diamond Drilling Ongoing

RESOURCES 830,000oz @ 11.6 g/t GOLD AND GROWING

Historic Production of 1.5 Moz @ 16 g/t gold mines from 1935 – 1966 (at an 8 g/t gold cut-off)

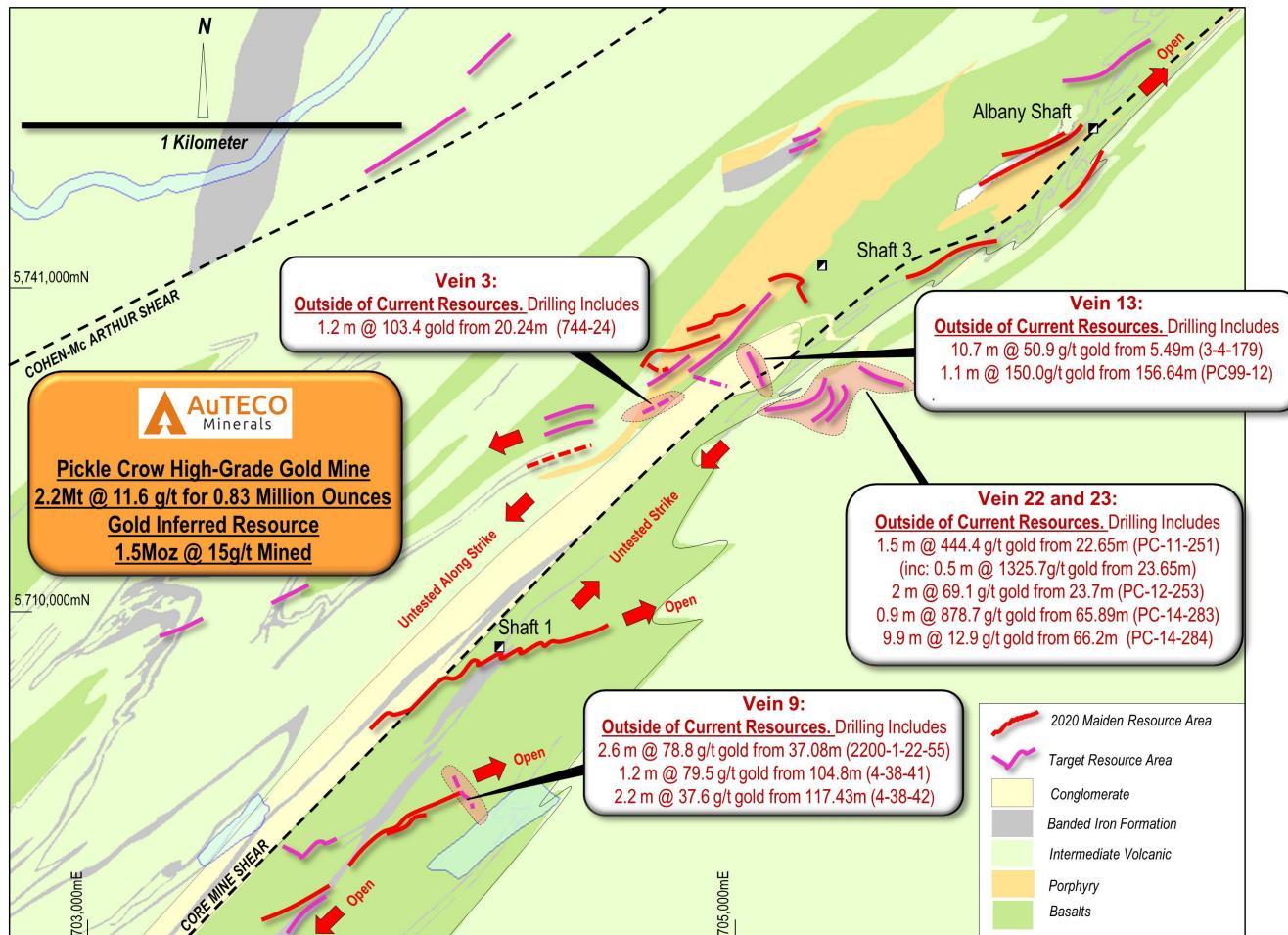
Numerous high-grade drill hits outside of mined areas and in close proximity to mine development



Long Section: Looking West (for further details refer to ASX announcement on 28 January 2020 and 29 June 2020)

ADVANCED RESOURCE TARGETS

Numerous advanced resource targets identified within existing mine infrastructure



Plan View of Pickle Crow mineralised trend highlighting existing resource areas and mine shafts, target areas with significant drilling intercepts, outside of current resources that are the focus of current exploration drilling activity

Multiple Walk-Up, Near Surface Resource Targets Within the Core Mine Trend

Drill holes outside current Inferred Resource:¹

Vein 22 and 23 Targets:

- 1.5 m @ 444.4 g/t gold from 22.65m
- 0.9 m @ 878.7 g/t gold from 65.89m
- 9.9 m @ 12.9 g/t gold from 66.2m

Vein 9 Target:

- 2.6m @ 78.8 g/t gold from 37.08m
- 2.2m @ 37.6 g/t gold from 117.43m

Vein 13 Target:

- 10.7m @ 50.9 g/t gold from 5.49m
- 1.1m @ 150.0 g/t gold from 156.5m

Vein 2 Footwall Vein Target:

- 1.7m @ 55.5 g/t gold from 91.29m
- 6.9m @ 17.7 g/t gold from 1.83m

Vein 3 Target:

- 1.2m @ 103.4 g/t gold from 20.24m

Targets adjacent and in proximity to the previous mine infrastructure

Resource update anticipated Q4 2020

¹ For further details refer to ASX announcement on 29 June 2020.

BROWNFIELDS TARGETS – UNLOCKING THE POTENTIAL

Numerous brownfields targets identified in proximity to mine infrastructure

Unlocking the near mine potential of multiple, regional scale structures

Brownfields targets in proximity to existing mine infrastructure include:

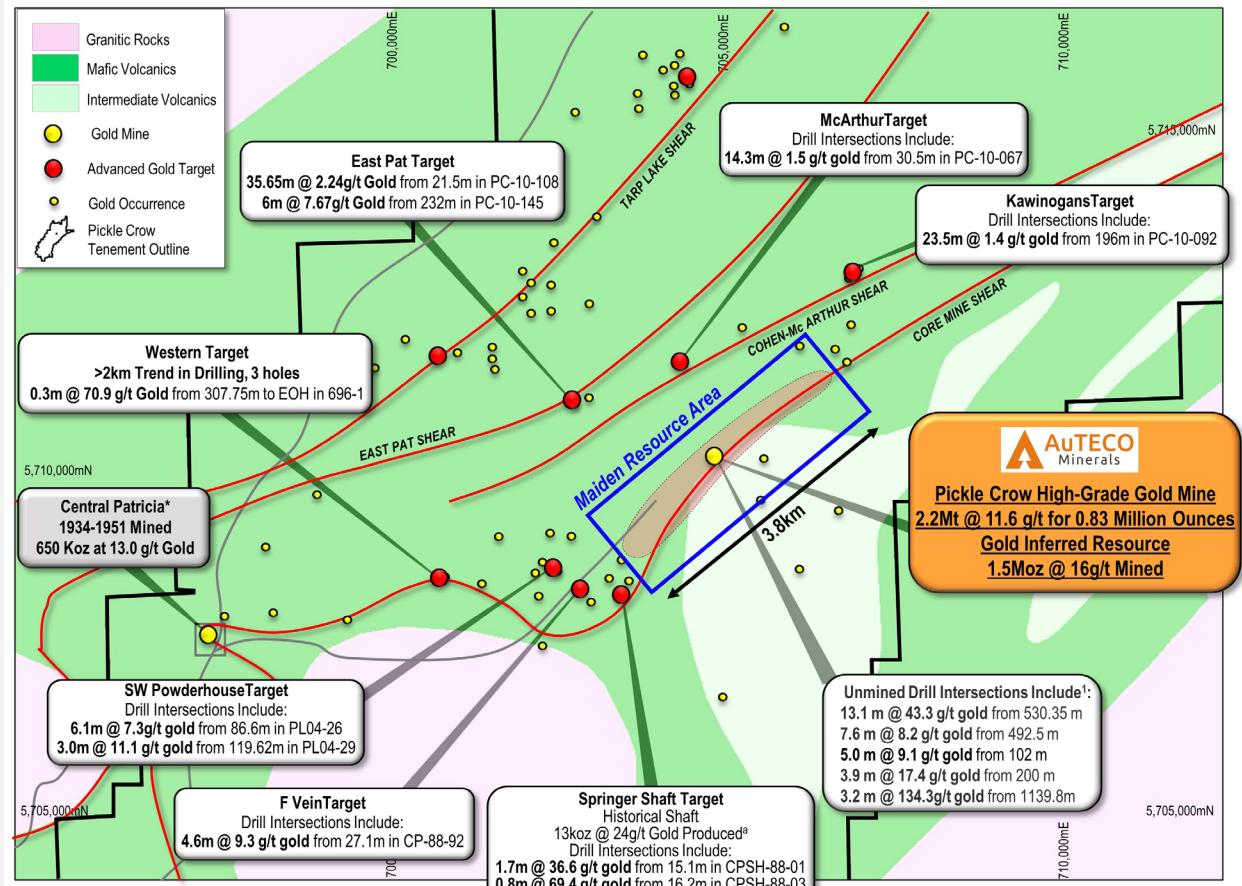
- Springer Shaft: 0.8m @ 69.4 g/t gold¹
- F Vein: 4.6m @ 9.3 g/t gold¹
- SW Powderhouse: 6.1m @ 7.3 g/t gold¹
- Western Target: 0.3m @ 70.9 g/t gold¹
- East Pat: 35.65m @ 2.2 g/t gold¹

Walk-up drill targets at surface

All targets outside of resource estimate

Numerous walk up targets adjacent and in proximity to the previous mine infrastructure

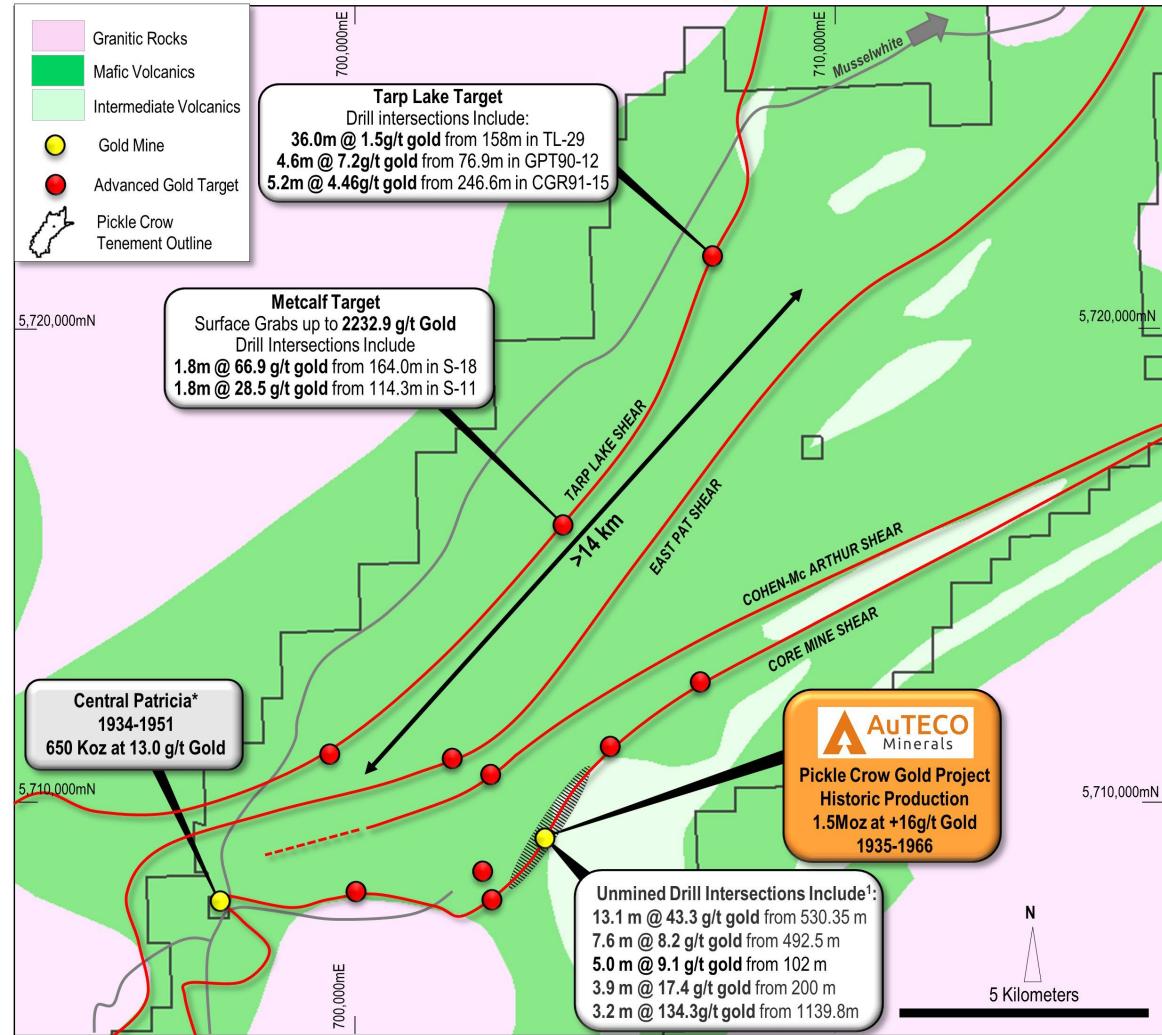
3rd Diamond Drill Rig Mobilising



*Location of the high-grade, Pickle Crow and Central Patricia Gold mines and targets related to the Core Mine, Cohen-MacArthur and East Pat shear zones. (^aSourced from The Northern Miner, article, May 1984 and first reported by Auteco on the ASX 26 March 2020. The Company confirms that it is not aware of any new information or data that materially affects the announcement).

PICKLE CROW – A REGIONAL SCALE GOLD PROJECT

Regional Targets – Building the Exploration Pipeline



Regional targets identified including¹:

Tarp Lake Shear

More than 14 kilometres of mineralised shear zone

Drill intersections include:

- 1.8m @ 66.9 g/t gold from 164m in S-18
- 4.6m @ 7.2 g/t gold from 76.9m in GT90-12
- 36.0m @ 1.5 g/t gold from 158m in TL-29

Core Mine Shear

Drill Intersections Include:

- Springer Shaft Target: 1.7m @ 36.6 g/t gold from 15.1m
- F Vein Target: 4.6m @ 9.3 g/t gold from 27.1m in CP-88-92
- SW Powderhouse Target: 6.1m @ 7.3 g/t gold from 86.6m

East Pat Shear

Drill intersections from the East Pat Target include:

- 35.7m @ 2.2 g/t gold from 21.5m in PC-10-108
- 6m @ 7.67 g/t gold from 232m in PC-10-145

¹ For further details refer to ASX announcement on 26 March 2020.

A SIGNIFICANT HIGH-GRADE GOLD OPPORTUNITY

Pickle Crow presents an exciting gold revival story in a major Canadian mining district



Agreement executed to earn up to 80% of high-grade Pickle Crow gold project in Ontario, Canada



Maiden Independent JORC Inferred Resource Estimate of 830,000oz @11.6g/t gold



Historically produced 1.5 Moz @ 16 g/t before mine closure in 1966 in a long-life gold producing region.
Mining lease to 2067



Underexplored large landholding with numerous walk-up targets, 10,000m drill campaign underway
and third rig tendered



Highly experienced & successful Board of Directors & exploration team with a proven track record of success



Near-term on-ground exploration in Q3 to provide steady flow of results and activity with anticipated
resource update Q4

UNLOCKING THE POTENTIAL AT PICKLE CROW

Exciting Near-Term newsflow in the coming months:

Ongoing Exploration and Resource Drilling, Regional Targeting & Continued Resource Growth





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CURRENT RESOURCE ESTIMATE PICKLE CROW GOLD PROJECT

Independent JORC 2020 Resource estimate for the Pickle Crow Gold Project (ASX 29th June 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	2.5	10.7	0.86
3.5 g/t Au	2.3	11.6	0.83
5.0 g/t Au	1.8	13.2	0.78

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

Note: Rounding has been applied to represent appropriate precision.



APPENDICES – PICKLE CROW ACQUISITION DETAILS

Earn-in agreement – Low-risk exposure

Auteco paid C\$50,000 to First Mining 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 C\$2,500,000.