Multiple Shallow Walk Up Drill Targets Identified at the Pickle Crow Gold Project, Ontario

On track for maiden JORC 2012 compliant resource Q2 2020

Multiple drill ready high-grade gold targets identified in the 320 km^2 tenement package

Maiden drill program planned for commencement Q2 2020

Auteco Minerals Ltd (**AUT.ASX**) ('Auteco' or 'the Company') is pleased to provide an update on exploration activities from the Pickle Crow gold project in Ontario, Canada. Pickle Crow is one of Canada's highest-grade historical gold mines that produced 1.5 Moz @ 16 g/t gold.[1]

Field activities, data compilation and resource modelling have commenced and continuing uninterrupted. It is currently anticipated that the developing COVID-19 situation will have minimal impact on Auteco's 2020 field objectives which include:

JORC 2012 compliant resource update anticipated early Q2 2020

- A JORC compliant resource is anticipated to be completed in the coming quarter. This Resource will incorporate the extensive geological review of the project undertaken by Auteco Minerals and will focus on high-grade and underground mineable resource areas.

Maiden shallow diamond drill program anticipated late May 2020

- The company intends to commence its maiden drilling campaign at Pickle Crow. This will include a 5,000m drilling campaign to test high potential immediate walk up targets regionally and in the mine surrounds.

- Multiple shallow high-grade gold targets outside of the core mine trend have been identified during the data review related to four regional scale shear structures.

Tarp Lake Shear

- More than 14 kilometres of mineralised shear zone identified in mapping and drilling
- Surface grab samples to **2232.9 g/t gold**
- Shallow drill intersections include:
  - **1.8 m @ 66.9 g/t gold** from 164 m in S-18
  - **4.6 m @ 7.2 g/t gold** from 76.9 m in GT90-12
  - **36.0 m @ 1.5 g/t gold** from 158 m in TL-29

Core Mine Shear

- Shallow drill intersections include:
  - **Springer Shaft Target: 1.7m @ 36.6 g/t gold** from 15.1 m in CPSH-88-01
  - **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 86.6 m in PL04-26

East Pat Shear

- Drill intersections from the East Pat Target include:
  - **35.7 m @ 2.2 g/t gold** from 21.5 m in PC-10-108
  - **6.0 m @ 7. 7 g/t gold** from 232 m in PC-10-145

Cohen -Mac Arthur Shear

- Drill intersections include:
  - **MacArthur Target: 14.3 m @ 1.5 g/t gold** from 30.5 m in PC-10-067
  - **Kawinogans Target: 23.5 m @ 1.4 g/t gold** from 196 m in PC-10-092

As at 25 March 2020, the Company's cash position was **~$1.2 million** which represents sufficient liquidity to fund planned exploration activities.

AuTECO Minerals

Earn-in agreement at the Pickle Crow High-Grade Gold Project, Ontario, Canada

Historically produced 1.5 Million oz @ 16 g/t gold

Underexplored with numerous walk-up targets

Major world class mining district

An Exploration team & Board of Directors with a proven track record of discovery success

CORPORATE DIRECTORY

Executive Chairman
Mr Ray Shorrocks

Executive Technical Director
Mr Sam Brooks

Non-Executive Directors
Mr Steve Parsons
Mr Michael Naylor

Company Secretary
Mr Nicholas Katris

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Auteco's Executive Chairman, Mr Ray Shorrocks Commented:

"I'm delighted to provide an exploration update for the high-grade Pickle Crow Gold Project in Ontario. Exploration activities are proceeding in line with 2020 field objectives and Auteco is working to deliver a maiden JORC 2012 compliant resource for the Pickle Crow Mine area in the coming quarter. This resource will be focussed on the high-grade underground mineralisation at the Pickle Crow deposit that was the focus of profitable mining from 1935 to 1966.

Auteco intends to define and announce a maiden Resource, and then commence an initial shallow 5000m diamond drill program in late May, targeting shallow high-grade, walk-up drill targets to bring further define mineralised areas into JORC resource compliance.

At the same time Auteco geologists have been working to integrate regional datasets and in the process have identified multiple, high-grade and drill ready regional targets, related to four major structures with more than 110 kilometres of prospective strike. Work is continuing across the 320km^2 project area with geological, structural and geophysical reviews ongoing to be followed up with targeting, on ground testing and drilling in the coming field season".

Regional Drilling Potential

Auteco Minerals Limited ('Auteco') is pleased to announce an exploration update from the Pickle Crow gold property, located in Ontario, Canada. Since the announcement of the acquisition on the 28th January 2020 (refer ASX 28/01/2020) the Company has completed significant data compilation and review of the available historic drill core over the greater tenement package. The work has identified multiple shallow drill ready, regional targets associated with four major mineralized shear zones within the Pickle Crow project area. Cumulatively there is more than 110km of underexplored strike on the structures which are very prospective for high-grade orogenic gold.

The regional scale structures form the conduits for gold mineralization in the Pickle Lake Greenstone Belt. The structures include the Core Mine Shear (which is related to the historic, high grade, Pickle Crow, Central Patricia and Dona Lake Gold mines) as well as the relatively underexplored Tarp Lake, Cohen- MacArthur and East Pat Shear Zones (refer Figure 1).

Much of the area has historically been held by multiple parties before its consolidation into a coherent land package by Auteco's partner, First Mining Gold Corp. As a result, exploration outside of the main deposit area has been sporadic and unfocussed to date. This represents the first time a comprehensive review of regional datasets has been possible since the mine closure in 1966, with a lot of the data away from the central mine trend only being recorded in digital format for the first time.

Tarp Lake Shear

The Tarp Lake, regional scale shear zone trends NNE and extends more than 20km through the western edge of the Pickle Crow project area (refer Figure 1). It has been subjected to limited diamond drilling over more than 14 kilometers of its strike with three main target areas identified:

- Tarp Lake Target: Drill Intersections Including:
  - **36.0 m @ 1.5 g/t gold** from 158 m in TL-29
  - **4.6 m @ 7.2 g/t gold** from 76.9 m in GPT-90-12
  - **5.2 m @ 4.5 g/t gold** from 246.6 m in CGR91-15

- Metcalf Target: Surface grabs to **2232.9 g/t gold** and drill intersections include:
  - **1.8 m @ 66.9 g/t gold** from 164 m in S-18
  - **1.8 m @ 25.8 g/t gold** from 114.3 m in S-11

Core Mine Shear

In addition to the historic mine, multiple, underexplored, high-grade gold targets have been identified related to the Core Mine Shear (refer Figure 2). These include:

- Springer Shaft Target: Historical shaft which **produced 13koz @ 24 g/t gold**.
  Unmined drill intersections include:
  - **1.7 m @ 36.6 g/t gold** from 15.1 m in CPSH-88-01
  - **0.8 m @ 69.4 g/t gold** from 16.2 m in CPSH-88-03
- F Vein Target: Drill intersections include:
  - **4.6 m @ 9.3 g/t gold** from 27.1 m in CP-88-92 including **2.4m @ 21.4 g/t gold** from 27.1 m
- SW Powderhouse Target: Drill intersections include:
  - **6.1 m @ 7.3 g/t gold** from 86.6m in PL04-26
  - **3.0 m @ 11.1 g/t gold** from 119.62m in PL04-29

Cohen – Mac Arthur Shear

The Cohen Mac Arthur shear has been observed on surface and in diamond drill core as a 50m wide high strain zone with coincident, intense ankerite-sericite alteration and quartz-carbonate veining. There has been limited exploration of second order structures related to the shear due to subdued topography and glacial till cover for much of its strike length. However, drilling around outcropping mineralization has identified two prominent target areas (refer to Figure 2 for location):

- Mac Arthur Target: Drill intersections include:
  - **14.3 m @ 1.5 g/t gold** from 30.5 m in PC-10-067
- Kawinogans Target: Drill intersections include:
  - **23.5 m @ 1.4 g/t gold** from 196 m in PC-10-092

East Pat Shear

The East Pat is almost entirely unexplored due to subdued topography and glacial till cover for much of its strike length. It was identified and drilled by previous explorer PC Gold in 2010 in the East Pat Target area (refer to Figure 2 for location):

- East Pat Target: Drill intersections include:
  - **35.6 m @ 2.2 g/t gold** from 21.5 m in PC-10-108
  - **6.0 m @ 7.7 g/t gold** from 232 m in PC-10-145

Figure 1: Location of the high-grade, Pickle Crow and Central Patricia Gold Mines and regionally significant shear zones within the Pickle Crow tenement areas (refer to ASX announcement 28/01/2020[1]).

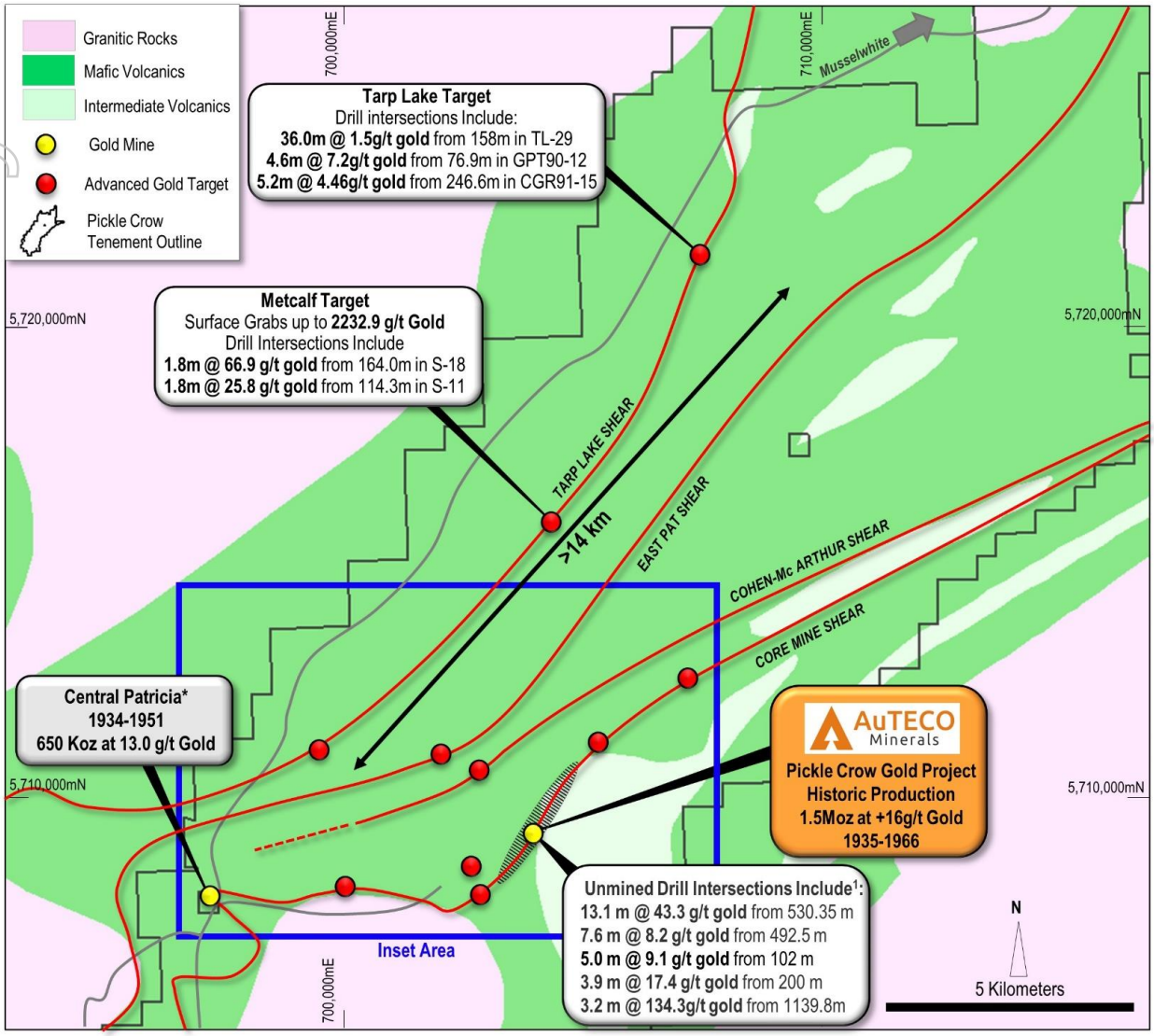
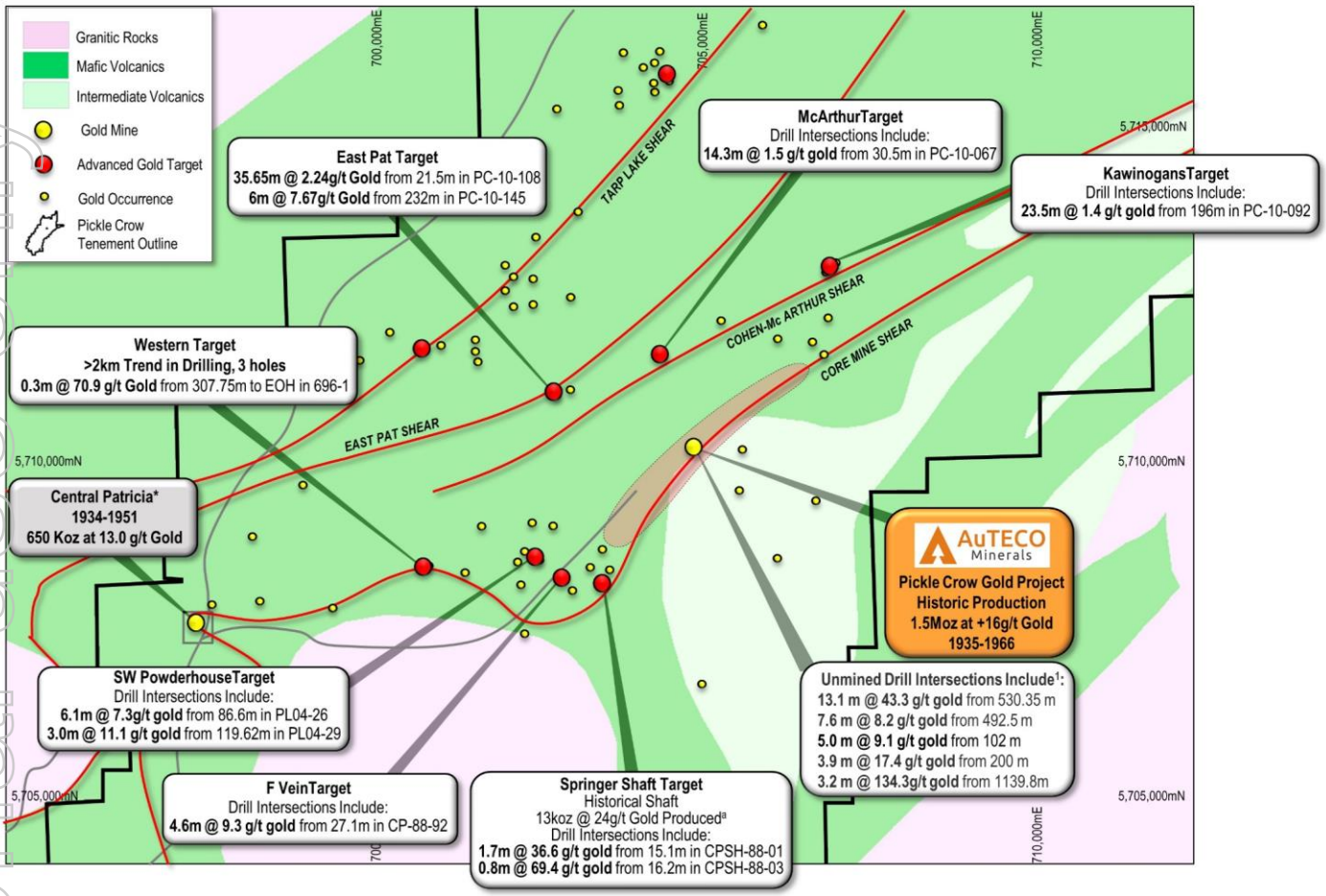


Figure 2: Location of the high-grade, Pickle Crow and Central Patricia Gold mines and targets related to the Core Mine, Cohen-MacArthur and East Pat shear zones. ([a] Sourced from Northern Miner, May 1984)



The Pickle Crow Gold Project – Unlocking the Potential

Subsequent to historic mining that ceased in 1966 there has been limited exploration of the Pickle Crow Gold Project. Any work that has been conducted by modern explorers has been fragmented and focused on developing small remnant resources proximal to the old mine infrastructure.

Auteco intends to return to first principles at the project within the tenement area with a focus on discovering and developing new project scale, high-grade, near surface, JORC compliant gold resources.

As such, it is Auteco's intention to define a maiden resource in this coming quarter. It is anticipated that any resource will reinforce the high-grade nature of the Pickle Crow Gold Project and underpin the exploration potential of the project.

Following this, Auteco intends to drill 5000m targeting high-grade, walk-up drill targets to bring further areas into JORC 2012 resource compliance.

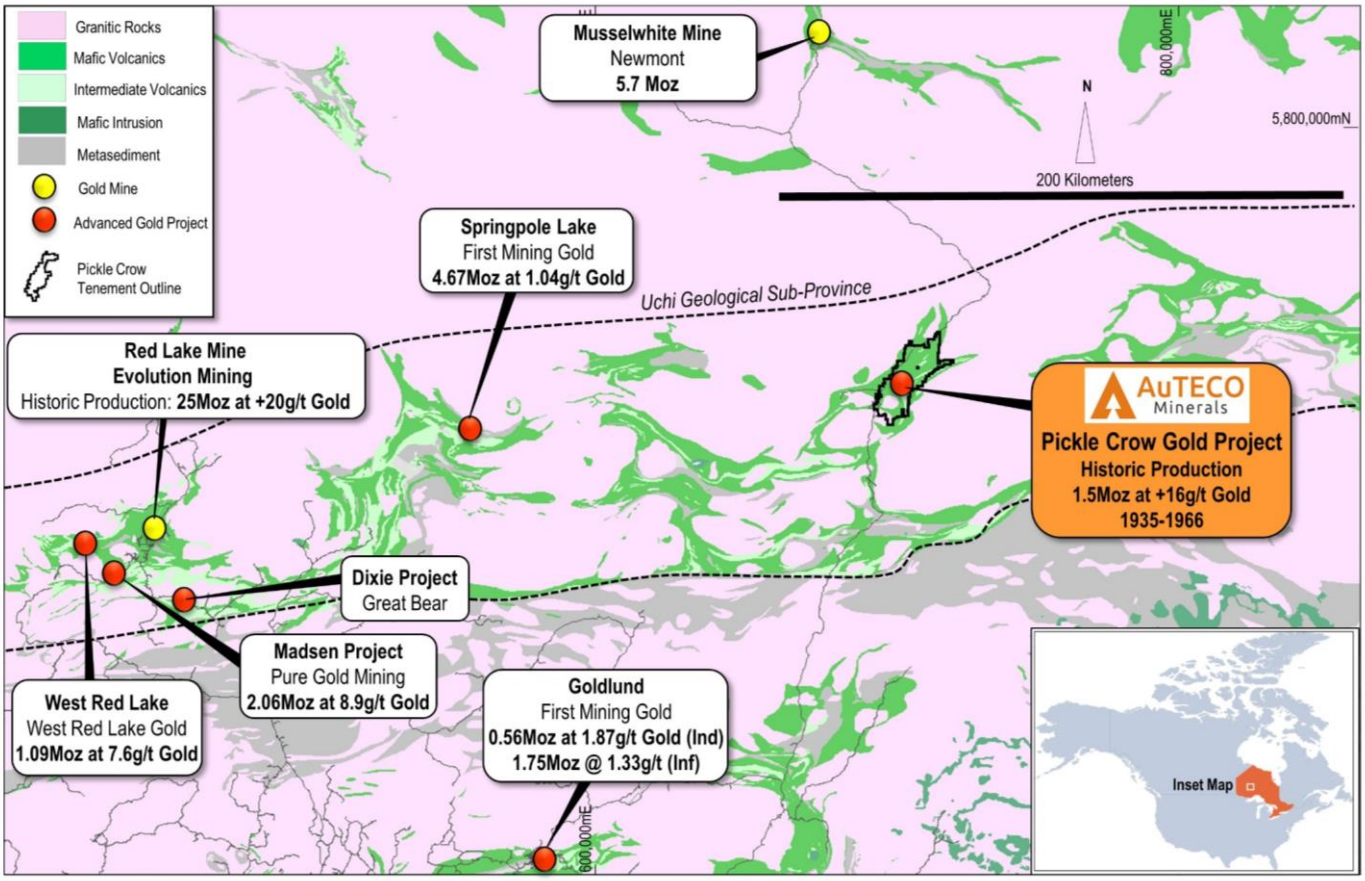
High Grade Gold in one of Canada's most Prolific Gold Belts

The Pickle Crow Project has been acquired due to the high potential of the project to host high grade lode style gold mineralization. The earn in of the Pickle Crow Gold Project also provides a base of operations in one of Canada's most prolific high-grade gold producing terranes, the Birch-Uchi sub-province of the Superior Craton. The project consists of ~320km^2 of tenure in this highly prolific terrain that has been

consolidated since 2014 from previously fragmented tenure around Pickle Crow for the first time. Due to the history of the area, only minimal modern exploration has been conducted at the project.

Major producing mining camps in the terrane include the Red Lake High Grade Gold Camp operated by Evolution Mining (historic production of over 25 Moz at +20 g/t gold[2]) The project is also located proximal to Newmont Goldcorps' Musselwhite deposit 2.3Moz Reserves[3] (refer to Figure 2 below).

Figure 2: Location of the high-grade, Pickle Crow Gold Project and regionally significant deposits and projects.



About First Mining Gold Corp

First Mining Gold Corp. is a Canadian-focused gold exploration and development company advancing a large resource base of 7.4 million ounces of gold in the Measured and Indicated categories and 3.8 million ounces of gold in the Inferred category. First Mining's primary focus is the development and permitting of its Springpole Gold Project and the advanced exploration of its Goldlund Gold Project, both located in northwestern Ontario. Springpole is one of the largest undeveloped gold assets in Canada, with permitting and a Pre-Feasibility Study underway. Goldlund is an advanced exploration stage asset where drilling in 2020 is planned to define both the extension of the existing resource area and to better define the regional scale potential. First Mining's eastern Canadian property portfolio also includes Cameron, Pickle Crow, Hope Brook, Duparquet, Duquesne, and Pitt.

First Mining was created in 2015 by Mr Keith Neumeyer, founding President and CEO of First Majestic Silver Corp.

About Auteco Minerals

Auteco Minerals Limited (ASX: AUT) is an emerging mineral exploration company currently focused on advancing high-grade gold resources at the Pickle Lake Gold Project in the world-class Uchi sub-province of Ontario, Canada. The Auteco Board of Directors and technical management team has a proven track record of discovering gold and creating wealth for shareholders and all stakeholders in recent years.

The Company also has a joint venture on the Limestone Well Vanadium-Titanium Project in Western Australia.

For further information, please contact:

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Notes

[1] Refer Sedar Technical report for historical production - https://www.sedar.com/GetFile.do?lang=EN&docClass=24&issuerNo=00022404&issuerType=03&projectNo=02810557&docId=4375165

[2] Mineral Resources and Ore Reserves of Red Lake are taken from Goldcorp's NI-43-101 Mineral Resources and Ore Reserves Update as at 30 June 2018 which was released by Goldcorp on 22 February 2019 and is available on www.sedar.com.

[3] As at June 30th 2018. Further details Mineral Reserves and Resources for the Musselwhite Deposit are contained in Goldcorp's annual information form for the year ended December 31, 2017 and the following technical reports for each of those properties, all of which are available under the Company's profile at www.sedar.com.

Competent Person Statement

The information in this announcement that relates to Exploration Results, Mineral Resources, Ore Reserves or targets is based on information compiled by Mr Marcus Harden, who is a Member of the Australasian Institute of Geoscientists. Mr Harden is an employee of the Company and has sufficient experience in the style of mineralisation and type of deposit under consideration and qualifies 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 consents to the inclusion of the information in this report in the form and context in which it appears.

Disclaimer

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Forward Looking Information

This report contains forward-looking statements. Wherever possible, words such as "intends", "expects", "scheduled", "estimates", "anticipates", "believes", and similar expressions or statements that certain actions, events or results "may", "could", "would", "might" or "will" be taken, occur or be achieved, have been used to identify these forward-looking statements. Although the forward-looking statements contained in this release reflect management's current beliefs based upon information currently available to management and based upon what management believes to be reasonable assumptions, The Company cannot be certain that actual results will be consistent with these forward-looking statements. A number of factors could cause events and achievements to differ materially from the results expressed or implied in the forward-looking statements. These factors should be considered carefully, and prospective investors should not place undue reliance on the forward-looking statements. Forward-looking statements necessarily involve significant known and unknown risks, assumptions and uncertainties that may cause the Company's actual results, events, prospects and opportunities to differ materially from those expressed or implied by such forward-looking statements. Although the Company has attempted to identify important risks and factors that could cause actual actions, events or results to differ materially from those described in forward-looking statements, there may be other factors and risks that cause actions, events or results not to be anticipated, estimated or intended, including those risk factors discussed in the Company's public filings. There can be no assurance that the forward-looking statements will prove to be accurate, as actual results and future events could differ materially from those anticipated in such statements. Accordingly, prospective investors should not place undue reliance on forward-looking statements. Any forward-looking statements are made as of the date of this presentation, and the Company assumes no obligation to update or revise them to reflect new events or circumstances, unless otherwise required by law. This presentation may contain certain forward-looking statements and projections regarding:

- estimated, resources and reserves;
- planned production and operating costs profiles;
- planned capital requirements; and
- planned strategies and corporate objectives.

Such forward looking statements/projections are estimates for discussion purposes only and should not be relied upon. They are not guarantees of future performance and involve known and unknown risks, uncertainties and other factors many of which are beyond the control of the Company. The forward looking statements/projections are inherently uncertain and may therefore differ materially from results ultimately achieved. The Company does not make any representations and provides no warranties concerning the accuracy of the projections and disclaims any obligation to update or revise any forward looking statements/projects based on new information, future events or otherwise except to the extent required by applicable laws.

APPENDIX A:

Table 1: Significant Intercept Table. Cut-off grade of 1 g/t Gold allowing for 1m internal dilution (NSI – No significant Intercept). All cords in NAD 83 z15 (except * in NAD83 z14).

Hole No.	Easting	Northing	Elevation	Azimuth	Dip	Start Depth (m)	End Depth (m)	Drilled Length (m)	From (m)	To (m)	Width (m)	Au (ppm)
PL04-02	702151	5708277		180	-45	0	189.392					NSI
PL04-03	702198	5708280		180	-45	0	138.32					NSI
PL04-04	702183	5708088		180	-45	0	138.32		21.28	22.8	1.52	4.02
								incl	22.19	22.5	0.3	4.85
								and	22.5	22.8	0.3	5.46
									22.8	23.41	0.61	1.78
									46.82	47.42	0.61	4.28
PL04-05	702477	5708703		180	-45	0	123.12		87.25	87.55	0.3	2.58
									104.88	106.4	1.52	5.78
								incl	74.48	75.09	0.61	10.29
									105.49	106.1	0.61	3.25
PL04-06	702418	5708710		180	-45	0	107.92		31.92	33.44	1.52	1.68
									33.74	34.5	0.76	2.89
									34.5	34.96	0.46	22.37
									34.96	36.48	1.52	4.02
								incl	34.96	35.11	0.15	6.97
								and	35.11	35.72	0.61	6.34
									42.56	44.08	1.52	2.38
									47.12	48.64	1.52	1.18
									59.89	60.8	0.91	1.8
									60.8	62.32	1.52	1.26
PL04-07	702397	5708550		0	-45	0	113.392					NSI
PL04-08	702397	5708552		180	-45	0	120.08					NSI
PL04-09	702472	5708575		180	-45	0	110.96					NSI

Hole No.	Easting	Northing	Elevation	Azimuth	Dip	Start Depth (m)	End Depth (m)	Drilled Length (m)	From (m)	To (m)	Width (m)	Au (ppm)
PL04-10	702443	5708561		0	-47	0	65.968		31.01	31.92	0.91	1.13
PL04-11	702443	5708565		0	-45	0	162.64		113.7	114.3	0.61	3.51
									115.22	119.47	4.26	1.58
								incl	115.22	116.13	0.91	2.08
								and	117.04	117.65	0.61	1.56
								and	117.65	118.26	0.61	2.47
								and	118.26	118.86	0.61	2.05
									122.21	123.73	1.52	4.26
								incl	122.21	123.12	0.91	1.55
								and	123.12	123.73	0.61	6.96
									130.72	134.52	3.8	1.45
								incl	130.72	131.48	0.76	1.01
								and	131.48	132.24	0.76	1.39
								and	133	133.76	0.76	3.1
								and	133.76	134.52	0.76	1.05
									151.24	152	0.76	3.08
PL04-12	702465	5708573		345	-47	0	172.368					NSI
PL04-13	702183	5708088		180	-70	0	212.192					NSI
PL04-14	702121	5708059		0	-45	0	183.92					NSI
PL04-15	702121	5708059		180	-60	0	93.024		71.14	72.05	0.91	0.43
PL04-16	702540	5708726		240	-45	0	123.12					NSI
PL04-17	702480	5708736		180	-70	0	123.12					NSI
PL04-18	702480	5708736		0	-45	0	151.088		74.48	75.09	0.61	0.35
									75.09	75.7	0.61	9.39
									76.3	76.91	0.61	1.08
									76.91	77.52	0.61	0.54

Hole No.	Easting	Northing	Elevation	Azimuth	Dip	Start Depth (m)	End Depth (m)	Drilled Length (m)	From (m)	To (m)	Width (m)	Au (ppm)
PL04-19	702443	5708719		120	-85	0	162.64		4.56	4.86	0.3	1.74
									13.38	13.68	0.3	0.8
									25.99	26.14	0.15	0.29
									26.75	27.36	0.61	0.71
									33.74	34.05	0.3	0.77
									35.57	35.87	0.3	1.47
									35.87	36.18	0.3	1.06
									37.39	37.7	0.3	0.68
									37.7	38	0.3	0.52
									38	39.52	1.52	2.68
								incl	38	38.3	0.3	5.87
								and	38.3	38.61	0.3	1.16
								and	38.61	38.91	0.3	1.21
								and	38.91	39.22	0.3	4.12
								and	39.22	39.52	0.3	1.03
									39.52	39.82	0.3	0.22
									39.82	40.13	0.3	1.51
									40.13	40.43	0.3	0.24
									40.43	40.89	0.46	1.04
									41.34	41.65	0.3	0.45
									42.26	42.56	0.3	0.53
									42.56	42.86	0.3	0.41
									51.07	53.5	2.43	4.08
								incl	51.07	51.68	0.61	0.87

Hole No.	Easting	Northing	Elevation	Azimuth	Dip	Start Depth (m)	End Depth (m)	Drilled Length (m)	From (m)	To (m)	Width (m)	Au (ppm)
PL04-19	702443	5708719		120	-85	0	162.64	and	51.68	51.98	0.3	1.44
								and	51.98	52.59	0.61	6.02
								and	52.59	53.2	0.61	10.3
								and	53.2	53.5	0.3	0.26
									53.81	54.26	0.46	0.26
									55.33	55.63	0.3	0.33
									56.54	57.15	0.61	0.46
									57.76	58.06	0.3	0.27
									58.06	58.67	0.61	0.3
									69.01	69.31	0.3	2.2
									72.66	72.96	0.3	0.31
									73.26	73.57	0.3	0.23
									73.87	74.48	0.61	0.23
									74.48	74.78	0.3	1.24
									77.52	78.13	0.61	3.35
									78.13	78.74	0.61	0.36
									78.74	79.04	0.3	0.73
									79.04	79.65	0.61	0.56
									79.65	79.95	0.3	0.98
									84.51	84.82	0.3	0.45
									98.5	100.32	1.82	1.49
									102.45	103.06	0.61	0.61
									103.36	103.97	0.61	0.52
									104.88	106.4	1.52	0.31
									106.7	107.31	0.61	0.32

Hole No.	Easting	Northing	Elevation	Azimuth	Dip	Start Depth (m)	End Depth (m)	Drilled Length (m)	From (m)	To (m)	Width (m)	Au (ppm)
PL04-19	702443	5708719		120	-85	0	162.64		107.31	107.92	0.61	0.28
									124.94	125.55	0.61	3.63
PL04-20	702978	5708599		0	-45	0	208.544					NSI
PL04-21	702443	5708719		220	-85	0	81.168					NSI
PL04-22	702443	5708719		297	-85	0	177.84		42.56	44.84	2.28	3.57
								incl	43.32	44.08	0.76	3.94
									48.64	49.25	0.61	2.34
									50.16	53.2	3.04	7.01
								incl	50.16	52.29	2.13	9.01
								and	50.77	52.29	1.52	10.11
								and	50.77	51.68	0.91	10.47
								and	51.68	52.29	0.61	9.76
									95.15	96.37	1.22	1.9
								incl	95.76	95.76	0	2.79
PL04-23	702978	5708599		0	-70	0	184.528					NSI
PL04-24	702978	5708599		345	-45	0	241.984					NSI
PL04-25	702978	5708599		15	-45	0	178.144					NSI
PL04-26	702443	5708719		353	-85	0	115.216		32.83	33.44	0.61	1.95
									36.02	37.24	1.22	1.41
									40.28	41.8	1.52	2.72
								incl	40.28	41.04	0.76	4.51
									43.47	44.08	0.61	1.92
									77.52	78.74	1.22	9.63
								incl	77.52	78.13	0.61	12.26
									86.64	92.72	6.08	7.31

Hole No.	Easting	Northing	Elevation	Azimuth	Dip	Start Depth (m)	End Depth (m)	Drilled Length (m)	From (m)	To (m)	Width (m)	Au (ppm)
								incl	86.64	91.2	4.56	8.89
									88.16	91.2	3.04	11.97
									88.16	89.68	1.52	14.22
PL04-27	702443	5708719		60	-85	0	150.48		41.04	41.8	0.76	1.95
									49.4	56.24	6.84	2.2
									49.4	50.16	0.76	2.65
									50.16	50.92	0.76	4.6
									53.96	56.24	2.28	3.06
									55.48	56.24	0.76	4.92
									90.44	91.96	1.52	1.86
									99.41	100.32	0.91	1.79
									101.08	101.84	0.76	1.25
PL04-28	702978	5708599		0	-50	0	170.24					NSI
PL04-29	702443	5708561		345	-45	0	159.904		119.62	122.66	3.04	11.06
									119.62	121.9	2.28	14.2
									119.62	121.14	1.52	19.03
									120.38	121.14	0.76	25.74
									124.94	125.7	0.76	1.2
									134.06	137.1	3.04	3.79
									134.06	134.82	0.76	2.59
									134.82	137.1	2.28	4.19
									135.58	136.34	0.76	6.43
									140.14	140.9	0.76	1
									141.66	142.42	0.76	1.26

Hole No.	Easting	Northing	Elevation	Azimuth	Dip	Start Depth (m)	End Depth (m)	Drilled Length (m)	From (m)	To (m)	Width (m)	Au (ppm)
PC-10-062	702711.5	5711162	337.7	138	70	0	509	509	70	96.1	26.1	0.21
									91.4	93.1	1.7	1.55
									92.4	93.1	0.7	2.24
									233	234	1	1.82
									325	356	31	0.21
									328	328.5	0.5	1.93
									351.5	353	1.5	1.53
PC-10-067	704235.2	5711758	340.5	138	-50	0	104	104	30.5	44.8	14.3	1.48
									30.5	33.1	2.6	4.99
									32	32.5	0.5	14.85
									44.3	44.8	0.5	7.38
									68.9	69.7	0.8	1.04
PC-10-069	704235.2	5711758	340.5	138	-75	0	149	149	35.5	41.8	6.3	2.99
									41.3	41.8	0.5	30.27
									53.75	61.5	7.75	0.41
									53.75	55.2	1.45	1.01
									61	61.5	0.5	1.81

Hole No.	Easting	Northing	Elevation	Azimuth	Dip	Start Depth (m)	End Depth (m)	Drilled Length (m)	From (m)	To (m)	Width (m)	Au (ppm)
PC-10-071	705852.8	5712254	331.1	138	-52	0	308	308	41	53.38	12.38	0.22
									42	43	1	0.92
									89.42	91.52	2.1	0.4
									151.04	171.67	20.63	1.02
									151.04	160	8.96	1.41
									157	160	3	2.78
									158	159	1	4.2
									200	202	2	0.44
PC-10-070	704186.1	5711810	339.9	138	-49	0	191	191	121.5	122	0.5	9.35
									149	149.5	0.5	1.06
PC-10-072	704186.1	5711810	339.9	138	-66	0	233	233	134	134.95	0.95	1.15
									160.12	160.66	0.54	1.73
PC-10-073	704254.2	5711790	340.2	138	-50	0	128	128	50.6	55.5	4.9	0.91
									50.6	52.1	1.5	1.56
PC-10-074	704213.9	5711744	340.7	138	-50	0	95	95	29.5	31	1.5	0.83
									39	39.63	0.63	1
PC-10-075	704190.3	5711733	341.6	138	-51	0	137	137	44	45.5	1.5	0.35
PC-10-089	705908.8	5712192	333.9	140	-50	0	148	148	30.28	62.5	32.22	0.68
									43.1	62.5	19.4	0.84
									43.1	53.5	10.4	0.91
									43.1	44.3	1.2	2.81
									52.9	53.5	0.6	5.74

Hole No.	Easting	Northing	Elevation	Azimuth	Dip	Start Depth (m)	End Depth (m)	Drilled Length (m)	From (m)	To (m)	Width (m)	Au (ppm)
PC-10-090	705957.3	5712211	333.5	140	-50	0	295	295	53.5	56.86	3.36	0.62
									54.5	55.4	0.9	1.14
									76	78.33	2.33	0.24
									131	159.6	28.6	0.15
									151.5	158.92	7.42	0.34
									151.5	153	1.5	0.96
									246.57	252	5.43	0.58
									246.57	249	2.43	0.94
PC-10-092	705819.9	5712291	334.1	140	-50	0	308	308	82.75	85	2.25	0.68
									84	84.5	0.5	1.88
									102.5	114	11.5	1.5
									107.5	112.25	4.75	3.38
									107.5	108.5	1	11.71
									196	219.5	23.5	1.41
									201	213	12	2.48
									211	213	2	9.14
									212	213	1	12.56
PC-10-094	702633	5711247	337.1	140	-70	0	45	45	Abandoned due to excessive overburden			
PC-10-102	705871.7	5712155	334.5	140	-55	0	153	153	105.17	105.73	0.56	2.09

Hole No.	Easting	Northing	Elevation	Azimuth	Dip	Start Depth (m)	End Depth (m)	Drilled Length (m)	From (m)	To (m)	Width (m)	Au (ppm)
PC-10-103	705954.3	5712212	333.2	180	-55	0	394	394	2.5	4	1.5	0.94
									121.6	130.05	8.45	0.4
									170.87	278.5	107.63	0.24
									171.3	176.6	5.3	2.45
									171.3	173	1.7	5.57
									172.2	173	0.8	10.19
									186.5	187	0.5	1.06
									222.5	223	0.5	2.11
									231	232	1	1.36
PC-10-104	705868.4	5712316	334.2	140	-50	0	437	437	10	11	1	4.04
									23	24.5	1.5	0.94
									123.85	132.3	8.45	0.22
									125	125.5	0.5	0.95
									211.85	230.1	18.25	0.17
									212.85	213.85	1	1.03
									280.65	313.86	33.21	0.11
									286.65	287.65	1	1.14
PC-10-105	702632.8	5711245	337.2	140	-50	0	500	500	79.9	213.97	134.07	0.24
									134.95	139	4.05	1.44
									160.5	203.7	43.2	0.42
									160.5	164	3.5	2.41
									161	161.5	0.5	5.81
									193.79	203.7	9.91	0.7
									203.17	203.7	0.53	2.81

Hole No.	Easting	Northing	Elevation	Azimuth	Dip	Start Depth (m)	End Depth (m)	Drilled Length (m)	From (m)	To (m)	Width (m)	Au (ppm)
PC-10-106	705821.4	5712293	334.2	140	-70	0	461	461	117.5	125.3	7.8	0.64
									122	123	1	1.82
									155	164.35	9.35	1.08
									163.3	163.8	0.5	3.43
									314	315	1	1.48
PC-10-107	702577.1	5711068	339.7	140	-50	0	404	404	155.6	160.6	5	1.05
									159.1	160.6	1.5	3.26
									370.35	371.47	1.12	0.22
PC-10-108	702557.9	5711088	339.7	50	-52	0	380	380	114	251.5	137.5	0.75
									114	132	18	0.93
									129.5	130.7	1.2	6.8
									168	169.65	1.65	2.55
									169.5	169.65	0.15	4.1
									214.5	250.15	35.65	2.24
									232.8	250.15	17.35	4.01
									241.13	250.15	9.02	6.1
									242	243.5	1.5	31.03
PC-10-109	706005.1	5712243	332.2	235	-56	0	337	337	31	32.5	1.5	0.83
									160	175.9	15.9	0.49
									169.4	175	5.6	1.05
									169.4	170	0.6	3.11
									174.23	175	0.77	4.23
									235.4	239.8	4.4	0.32
									236.2	236.8	0.6	1.08

Hole No.	Easting	Northing	Elevation	Azimuth	Dip	Start Depth (m)	End Depth (m)	Drilled Length (m)	From (m)	To (m)	Width (m)	Au (ppm)
PC-10-110	705918.6	5712342	333.9	140	-50	0	516	516	145.65	148.22	2.57	4.38
									146.65	148.22	1.57	7.09
									146.65	147.15	0.5	13.26
									235.43	237.63	2.2	0.51
									235.93	236.43	0.5	1.28
									403.5	413	9.5	0.25
									422.29	427.88	5.59	0.2
									460	469.3	9.3	0.51
									465	465.86	0.86	1.32
PC-10-112	705979.1	5712354	334.9	140	55	0	314	314	50.25	51.85	1.6	4.05
									188.28	188.95	0.67	1.69
PC-10-114	705771.4	5712270	331.9	164	-71	0	267	267	88.85	101.5	12.65	0.24
									96	97.04	1.04	0.81
									118.96	119.61	0.65	0.71
									120.69	121.07	0.38	0.58
PC-10-117	705771.3	5712271	331.9	140	-70	0	260	260	120.9	130.29	9.39	0.77
									120.9	127.77	6.87	0.91
									125.83	126.96	1.13	1.59
									188.85	194	5.15	0.2

Hole No.	Easting	Northing	Elevation	Azimuth	Dip	Start Depth (m)	End Depth (m)	Drilled Length (m)	From (m)	To (m)	Width (m)	Au (ppm)
PC-10-119	702566.9	5711323	336.4	140	-70	0	401	401	32.3	142.5	110.2	0.39
									32.3	101	68.7	0.53
									35	38.6	3.6	0.97
									41.6	43.1	1.5	1.25
									58.7	61.4	2.7	1.1
									73.7	88.1	14.4	1.02
									73.7	75.2	1.5	4.8
									74.9	75.2	0.3	8.51
									259.9	313	53.1	0.85
									261.9	277.5	15.6	2.49
									267.4	274.2	6.8	3.39
									273.2	274.2	1	6.24
PC-11-121	702579.8	5711106	339	50	-50	0	284	284	76	223.64	147.64	0.19
									84.1	114.13	30.03	0.49
									84.1	91	6.9	1.45
									179	179.9	0.9	1.69
									199.8	201	1.2	1.11
									221	223.64	2.64	1.51
PC-11-123	702540.9	5711072	339	50	-50	0	75	75	Hole abandoned in overburden			
PC-11-124	702541.2	5711073	339	50	-50	0	384	384	161.44	327.62	166.18	0.11
									161.44	179.5	18.06	0.43
									161.44	167.35	5.91	1.22
									165.7	167.35	1.65	2.07
									292.64	293.84	1.2	5.77
									292.64	293.34	0.7	8.87

Hole No.	Easting	Northing	Elevation	Azimuth	Dip	Start Depth (m)	End Depth (m)	Drilled Length (m)	From (m)	To (m)	Width (m)	Au (ppm)
PC-11-125	702599	5711208	337	140	-70	0	308	308	38	232	194	0.27
									38	133.17	95.17	0.35
									38	40.39	2.39	3.9
									39.25	40.39	1.14	7.19
									39.68	40.39	0.71	8.74
									86.1	133.17	47.07	0.7
									113	133.17	20.17	1.55
									113.96	115	1.04	4.01
									122.25	133.17	10.92	2.24
									122.25	124	1.75	3.99
									129	133.17	4.17	3.45
									131	132.86	1.86	5.97
									210.49	211.05	0.56	1.58
									225.5	227.48	1.98	2.14
									226.19	226.76	0.57	3.28
PC-11-126	702671.4	5711278	337	140	-70	0	335	335	139.44	150.7	11.26	0.15
									222.46	225.5	3.04	0.59
									225	225.5	0.5	1.14
									290.95	291.86	0.91	0.74

Hole No.	Easting	Northing	Elevation	Azimuth	Dip	Start Depth (m)	End Depth (m)	Drilled Length (m)	From (m)	To (m)	Width (m)	Au (ppm)
PC-11-128	702481.4	5711312	337	138	-50	0	383	383	157	327.9	170.9	0.18
									161	175.3	14.3	0.58
									161	162	1	1.46
									172.5	174.9	2.4	0.99
									204.5	219.05	14.55	0.72
									205	212.9	7.9	0.85
									205	209.45	4.45	1.06
									206.35	206.92	0.57	3.01
									260	261.1	1.1	1.5
									319.7	327.9	8.2	0.63
									320.2	320.9	0.7	4.51
PC-11-130	702458.4	5711263	337	138	-50	0	459	459	113	162	49	0.04
									160.75	162	1.25	0.36

Hole No.	Easting	Northing	Elevation	Azimuth	Dip	Start Depth (m)	End Depth (m)	Drilled Length (m)	From (m)	To (m)	Width (m)	Au (ppm)
PC-11-131	702655	5711290	337	230	-75	0	528	528	222	489	267	0.77
									224	475.05	251.05	0.82
									225	230.2	5.2	3.04
									256	282	26	1.22
									276	278	2	3.38
									377	466.45	89.45	1.46
									377	387.25	10.25	2.5
									380.1	381	0.9	6.92
									399	408.3	9.3	2.06
									403	406	3	3.07
									420	435.65	15.65	2.17
									434.4	435.65	1.25	6.95
									454.3	466.45	12.15	2.64
									455.3	459.55	4.25	4.02
639-1	701233.1	5708746	350	182	-50	0	183.92	183.92	103.7	104.31	0.61	3.429
									145.49	146.25	0.76	1.371
									148.99	149.45	0.46	2.4
639-2	701080.7	5708754	350	180	-50	0	183.92	183.92	175.07	175.38		1.371
639-3	700926.4	5708792	350	182	-50	0	193.98	193.98				NSI
639-5	700774.4	5708859	350	180	-55	0	256.2	256.2				NSI

Hole No.	Easting	Northing	Elevation	Azimuth	Dip	Start Depth (m)	End Depth (m)	Drilled Length (m)	From (m)	To (m)	Width (m)	Au (ppm)
640-1	701389.8	5708814	350	180	-55	0	258.03	258.03	100.14	100.45		10.286
686-1	699937.9	5708777	346.22	188	-50	0	279.38	279.38	177.21	177.66		8.914
									182.54	183		3.086
696-1	700324.1	5708839	350	181	-60	0	308.05	308.05	295.85	296.31		1.959
									307.75	308.05		70.971
697-1	700267.8	5708686	350	180	-60	0	22.88	22.88				NSI
698-1	700332.7	5708688	350	180	-60	0	244	244	155.55	155.86		32.914
698-1A	700332.7	5708688	350	180	-60	0	154.48	154.48	134.2	134.66		4.8
698-2	700334.5	5708628	350	180	-60	0	136.64	136.64	95.77	96.46		4.457
700-1	700657.1	5709069	350	183	-55	0	364.48	364.48				NSI
700-2	700692.9	5709289	346.67	188	-60	0	396.81	396.81	158.6	158.91		2.057
700-3	700739.3	5709434	345.27	195	-52	0	256.81	256.81				NSI
701-1	700493.1	5708899	350	180	-60	0	133.59	133.59				NSI

Hole No.	Easting	Northing	Elevation	Azimuth	Dip	Start Depth (m)	End Depth (m)	Drilled Length (m)	From (m)	To (m)	Width (m)	Au (ppm)
CPSH-88-01	703315.9	5708008	350	150	-50	0	175.91	175.91	15.06	16.76	1.7	36.57
									20.42	21.03	0.61	1.36
CPSH-88-02	703306	5708007	350	183	-50	0	35.67	35.67	10.52	11.28	0.76	41.39
CPSH-88-03	703318	5707995	350	183	-70	0	42.38	42.38	16.15	16.92	0.77	69.4
CPSH-88-04	703317.1	5707993	350	183	-40	0	16.16	16.16	2.83	3.6	0.77	1.05
									4.21	4.45	0.24	1.02
CPSH-88-05	703283.9	5708017	350	183	-50	0	46.04	46.04	12.83	13.72	0.89	10.4
									16.09	16.31	0.22	15.85
CPSH-88-06	703345.3	5708010	350	183	-50	0	66.16	66.16				NSI
CPSH-88-07	703284.7	5708019	350	183	-70	0	47.87	47.87	16.79	17.98	1.19	1.98
CPSH-88-08	703293.5	5708017	350	183	-70	0	53.66	53.66	17.68	17.98	0.3	0.74
CPSH-88-09	703292.9	5708015	350	183	-50	0	47.87	47.87	15.42	15.73	0.31	1.81
CPSH-88-10	703300.4	5708015	350	183	-70	0	47.87	47.87	40.23	40.54	0.31	0.74
CPSH-88-11	703299.8	5708014	350	183	-50	0	44.83	44.83				NSI
CP-88-92	703100	5707982	350	150	-50	0	121.04	121.04	27.13	31.7	4.57	9.27

Hole No.	Easting	Northing	Elevation	Azimuth	Dip	Start Depth (m)	End Depth (m)	Drilled Length (m)	From (m)	To (m)	Width (m)	Au (ppm)
CP-88-72	703116.2	5708041	350	150	-50	0	197.87	197.87	17.49	17.83	0.34	0.94
									26.52	27.28	0.76	6.04
									51.87	54.86	2.99	0.31
									56.29	58.52	2.22	4.73
									65.53	66.14	0.61	0.28
									70.71	72.23	1.52	0.4
									121	121.61	0.61	0.28
CP-88-57	703145.2	5708108	350	180	-50	0	142.07	142.07	57.15	72.39	15.24	0.45
									64.77	71.62	6.86	0.88
CP-87-23	703170.7	5708142	350	183	-60	0	178.96	178.96	84.43	85.19	0.76	5.95
									87.47	89	1.52	0.99
									95.09	95.85	0.76	3.97
									109.27	110.03	0.76	0.34
									111.55	112.31	0.76	3.97
									113.84	115.36	1.52	1.93
									121.46	122.52	1.07	1.7
									128.31	128.92	0.61	0.51
CP-87-28	703230	5708170	350	183	-60	0	182.01	182.01	93.42	99.51	6.1	0.51
CP-88-55	703244.4	5708211	350	150	-50	0	154.57	154.57	2.44	3.81	1.37	0.43
									90.37	90.83	0.46	0.28
CP-87-25	703286.4	5708201	350	183	-60	0	191.16	191.16	80.16	80.77	0.61	2.84
									81.99	82.44	0.46	2.84
									143.55	145.08	1.52	1.28
									145.84	146.6	0.76	0.28
									183.18	183.63	0.46	0.28

Hole No.	Easting	Northing	Elevation (m)	Azimuth	Dip	Start Depth (m)	End Depth (m)	Drilled Length (m)	From (m)	To (m)	Width (m)	Au (ppm)
Tarp Lake												
GPT-87-1	707381.7	5720758	366	295	-45	0	124.39	124.39				NSI
GPT-87-2	706580.3	5720554	366	295	-57	0	124.39	124.39				No assay available
GPT-87-4	706685.6	5720606	366	295	-58	0	243.6	243.6				No assay available
GPT-88-6	706698.9	5720803	366	310	-54	0	181.37	181.37				NSI
GPT-88-7	706719	5721026	366	310	-50	0	163.69	163.69				NSI
GPT-88-8	706584.5	5720900	366	310	-55	0	130.16	130.16				NSI
GPT-88-9	706445.1	5720480	366	360	-55	0	40.37	40.37				NSI
GPT-88-9A	706440.1	5720480	366	360	-50	0	181.67	181.67				NSI
GPT-90-11	706714.1	5720913	366	310	-50	0	201.83	201.83				NSI
GPT-90-12	706751.2	5720982	366	310	-50	0	179.88	179.88			4.6	7.2
GPT-90-13	706805.8	5721131	366	310	-50	0	271.34	271.34				NSI
GPT-90-14	706900.6	5721226	366	310	-50	0	106.71	106.71				NSI
CGR91-15*	291475	5721091	366	310	-50	0	258	258	245.4	255.4	10.1	2.74
									246.6	251.8	5.2	4.4
CGR91-16*	291431	5721017	366	310	-50	0	243	243	155.4	160.5	5	3.53
TL-22	706864	5720862	366	310	-50	0	282	282				NSI
TL-23	706970	5720985	366	310	-50	0	237	237				NSI
TL-24	706967	5721340	366	310	-50	0	180	180				NSI
TL-25	706823	5721447	366	310	-50	0	153	153				NSI
TL-27	706905	5720760	366	310	-45	0	153	153	110.5	118.5	8	1.1
TL-28	706823	5720645	366	310	-45	0	153.3	153.3	69	70.5	1	1
TL-29	706998	5720865	366	310	-45	0	245.4	245.4	158	194	36	1.5

Hole No.	Easting	Northing	Elevation (m)	Azimuth	Dip	Start Depth (m)	End Depth (m)	Drilled Length (m)	From (m)	To (m)	Width (m)	Au (ppm)
Metcalf Target												
S-1	704462.8	5715976	360	310	-50	0	unknown					No assay available
S-3	704423.9	5715872	360	315	-50	0	unknown					No assay available
S-4	704293	5715778	360	310	-50	0	unknown					No assay available
S-5	704344.5	5715744	360	310	-50	0	unknown					No assay available
S-7	704274.3	5715749	360	310	-50	0	unknown					No assay available
S-8	704299.3	5715730	360	310	-50	0	unknown					No assay available
S-9	704326	5715713	360	310	-50	0	unknown					No assay available
S-11	288403	5716286	360	310	-50	0	unknown		114.3	120.3	1.8	28.45
S-12	704335.5	5715788	360	310	-50	0	unknown					No assay available
S-14	288454	5716358	360	310	-50	0	unknown		64.6	66.3	1.7	16.11
S-16	704419.9	5715869	360	320	-50	0	unknown					No assay available
S-18	704374.1	5715853	360	310	-50	0	unknown		164	165.8	1.8	74.04
Mitchell Trench												
CH-3											1	13.89
											0.6	19.47
											1.3	11.33
											2.2	6.65
D-18	703971	5715954	360	332	-58	0	109.9	109.9	93.9	95.1	1.2	0.85
									95.1	96	0.9	1.42
									101.5	101.8	0.3	1.98

Hole No.	Easting	Northing	Elevation (m)	Azimuth	Dip	Start Depth (m)	End Depth (m)	Drilled Length (m)	From (m)	To (m)	Width (m)	Au (ppm)
D-19	703883	5715890	360	332	-58		93.6	93.6	21.6	22.1	0.5	1.42
						0			62.2	63.9	1.7	0.85
D-20	703995	5715866	360	332	-53	0	125.9	125.9				NSI
D-21	704371	5715977	360	128	-50	0	70.73	70.73	55.9	56.3	0.5	3.69
									56.3	56.7	0.4	17.58
D-23	704386	5716003	360	128	-58	0	84.33	84.33				NSI
D-24	703995	5715958	360	321	-58	0	105.37	105.37				NSI

Table 2: Significant Grab Sample Table. All cords in NAD 83 z15

Sample ID,	Easting	Northing	Elevation	Au (ppm)
JIGGER	702359	5713549	362	2232.9

APPENDIX B - JORC Code, 2012 Edition.

Section 1 Sampling Techniques and Data (Criteria in this section apply to all succeeding sections.)

Criteria	JORC Code explanation	Commentary
Sampling techniques	• Nature and quality of sampling (eg cut channels, random chips, or specific specialized industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling. • Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used. • Aspects of the determination of mineralisation that are Material to the Public Report. • In cases where 'industry standard' work has been done this would be relatively simple (eg 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverized to produce a 30 g charge for fire assay'). In other cases, more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information.	• Drilling quoted with PC- prefix is from PC Gold exploration with NQ diameter (47.6mm) drill core was recovered from drilling. Noramco drilling, CP- prefix is BQ diameter (36.5mm). All other quoted intercepts are NQ diameter. • The core was sawn in half following a sample cutting line determined by geologists during logging and submitted for analysis on nominal 1m (1ft for historical drillholes) intervals or defined by geological boundaries determined by the logging geologist. • Samples from PC Gold holes (PC- prefix) were submitted to ALS Chemex in Thunder Bay and North Vancouver for analysis. Samples were prepared for analysis using a jaw crusher which was cleaned with a silica abrasive between samples resulting in 90% of the sample passing through an 8 mesh screen. A split of the crushed sample weighing 1000g was then pulverized to 90% passing a 150 mesh screen. Sample pulps were analysed for gold by Fire Assay using 50g sample charge with atomic absorption spectroscopy (AAS) finish. If the returned assay result was equal to or greater than 5g/t then the sample was reassayed by Fire Assay with a gravimetric finish. Quoted historical drill results without the (PC- prefix) are Fire Assay conducted by unknown laboratories and with unknown preparation methods and assay charge. • All samples >10g/t gold and samples collected from PC gold drilling (PC- prefix) suspected of nugget gold were additionally sent for pulp metallics analysis. • For a more complete discussion of sampling techniques see document 'Updated Mineral Resource Estimate for the Pickle Crow Property, Patricia Mining Division, Northwestern Ontario, Canada' NI-43-101 dated 15th June 2018 and available from System for Electronic Document Analysis and Retrieval (www.sedar.com) for First Mining Inc.
Drilling techniques	• Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).	• Drilling quoted with PC- prefix is from PC Gold exploration with NQ diameter (47.6mm) drill core was recovered from drilling. Noramco drilling, CP- prefix is BQ diameter (36.5mm). All other quoted intercepts are NQ diameter.
Drill sample recovery	• Method of recording and assessing core and chip sample recoveries and results assessed. • Measures taken to maximize sample recovery and ensure representative nature of the samples. • Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.	• All drilling quoted is NQ diamond core with the exception of Noramco drillholes (CP- prefix). RQD was recorded for all diamond drilling as per industry standard. A review of the available diamond drill core RQD's from the Pickle Crow project (PC- prefix) indicated that nearly all of the holes produced excellent recoveries with an average of >90%. For drilling conducted by other operators recoveries are unknown although reports do not highlight significant core loss. • A review of RQD results does not highlight a relationship between sample recovery and grade or highlight any sample bias due to loss of material.
Logging	• Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.	• All PC Gold samples (PC- hole prefix) were geologically logged. Lithology, veining, alteration, mineralisation and weathering are all recorded in the geology table of the drill hole database. Other quoted drillholes have been similarly logged but records are mostly in report format.

Criteria	JORC Code explanation	Commentary
	• Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography. • The total length and percentage of the relevant intersections logged.	• Geological logging of Diamond Core samples is qualitative and descriptive in nature. • All holes quoted have been logged in their entirety.
Sub-sampling techniques and sample preparation	• If core, whether cut or sawn and whether quarter, half or all core taken. • If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry. • For all sample types, the nature, quality and appropriateness of the sample preparation technique. • Quality control procedures adopted for all sub-sampling stages to maximize representivity of samples. • Measures taken to ensure that the sampling is representative of the in-situ material collected, including for instance results for field duplicate/second-half sampling. • Whether sample sizes are appropriate to the grain size of the material being sampled.	• All drilling quoted from PC Gold exploration (PC- hole prefix) is.NQ diameter (47.6mm) drill core recovered from drilling. All other quoted intercepts are NQ diameter with the exception of Noramco drilling (CP- Prefix) which is BQ (36.5mm) diameter. The core was sawn in half following a sample cutting line determined by geologists during logging and submitted for analysis on nominal 1m (or 1ft) intervals or defined by geological boundaries determined by the logging geologist. • This sampling technique is industry standard and deemed appropriate. • PC Gold QA/QC protocols include the use of crush duplicates, ¼ core field duplicates, the insertion of certified reference materials (CRM's) including low, medium and high-grade standards and coarse blanks. This was accomplished by inserting the QA/QC samples sequentially in the drill core sample numbering system. One set of the four QA/QC types were inserted every 30 samples consisting of 1 crush duplicate, 1 ¼ split field duplicate, 1 CRM (altering between low, medium and high standard) and 1 blank. This resulted in approximately every seventh sample being a QA/QC sample. QAQC procedures are not disclosed in previous reporting but results are consistent with visual observations of mineralization as recorded in the geological logs and qualitative proportions of logged veining and sulphide content. • Sample size is deemed industry standard for Orogenic Gold deposits. • For a more complete discussion of sampling techniques and sample preparation see document 'Updated Mineral Resource Estimate for the Pickle Crow Property, Patricia Mining Division, Northwestern Ontario, Canada' NI-43-101 dated 15th June 2018 and available from System for Electronic Document Analysis and Retrieval (www.sedar.com) for First Mining Inc.
Quality of assay data and laboratory tests	• The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total. • For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc. • Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e. lack of bias) and precision have been established.	• Samples were submitted to ALS Chemex in Thunder Bay and North Vancouver for analysis. Samples were prepared for analysis using a jaw crusher which was cleaned with a silica abrasive between samples resulting in 90% of the sample passing through an 8 mesh screen. A split of the crushed sample weighing 1000g was then pulverized to 90% passing a 150 mesh screen. Sample pulps were analyzed for gold by Fire Assay using 50g sample charge with atomic absorption spectroscopy (AAS) finish. If the returned assay result was equal to or greater than 5g/t then the sample was reassayed by Fire Assay with a gravimetric finish. Quoted historical drill results without the (PC- prefix) are Fire Assay conducted by unknown laboratories and with unknown preparation methods and assay charge. • In addition to the Company QAQC samples (described earlier) included within the batch the laboratory included its own CRM's (Certified Reference Materials), blanks and duplicates. • Sample assay results were evaluated through control charts, log sheets, sample logbook and signed assay certificates to determine the nature of any anomalies or failures and failures were re-assayed at the laboratory. Check assaying was also conducted on 1 in every 20 samples. QAQC protocols are unknown for historical drill programs (without the PC- hole prefix).

Criteria	JORC Code explanation	Commentary
		• QA/QC work is industry standard and acceptable levels of accuracy and precision have been established. • For a more complete discussion of QA/QC techniques and levels of accuracy obtained from sampling see document 'Updated Mineral Resource Estimate for the Pickle Crow Property, Patricia Mining Division, Northwestern Ontario, Canada' NI-43-101 dated 15th June 2018 and available from System for Electronic Document Analysis and Retrieval (www.sedar.com) for First Mining Inc.
Verification of sampling and assaying	• The verification of significant intersections by either independent or alternative company personnel. • The use of twinned holes. • Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols. • Discuss any adjustment to assay data.	• Historical significant intersections quoted have been verified by Independent Geological Consultants Micon International Limited. For more details see document 'Updated Mineral Resource Estimate for the Pickle Crow Property, Patricia Mining Division, Northwestern Ontario, Canada' NI-43-101 dated 15th June 2018 and available from System for Electronic Document Analysis and Retrieval (www.sedar.com) for First Mining Inc. • There are no twinned holes in the dataset but a comparison of the results of different drilling generations showed that results were comparable. For more details see document 'Updated Mineral Resource Estimate for the Pickle Crow Property, Patricia Mining Division, Northwestern Ontario, Canada' NI-43-101 dated 15th June 2018 and available from System for Electronic Document Analysis and Retrieval (www.sedar.com) for First Mining Inc. • Once all logging data was completed, core marked up, logging and sampling data was entered directly into the Gems Logger program (an MS Access-based database and stored on the onsite server. At approximately weekly intervals the server onsite was synchronized with the main server in Thunder bay. Only one individual was responsible for synchronizing the field and office databases. • No adjustments were made to assay data but the procedure to determine which gold assay to enter into the database was as follows. If a pulp metallic assay was performed it was used. If a pulp metallic assay was not performed, then a gravimetric assay was used. If a gravimetric assay was not performed, then the AAS assay was used. If re-assays were preformed then the first analysis was used unless a QA/QC investigation proved that the first assay was suspect, in which case the second analysis was then used. For more details see document 'Updated Mineral Resource Estimate for the Pickle Crow Property, Patricia Mining Division, Northwestern Ontario, Canada' NI-43-101 dated 15th June 2018 and available from System for Electronic Document Analysis and Retrieval (www.sedar.com) for First Mining Inc. For all drilling not conducted by PC Gold (without the PC- hole prefix) no adjustments were made to the data.
Location of data points	• Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation. • Specification of the grid system used. • Quality and adequacy of topographic control.	• Upon completion of PC Gold drillholes collars (PC Gold prefix) were surveyed by third party contractors Delta Surveying and J.D.Barnes of Thunder Bay to with +/- 1m using an SX Blue. For all other drilling hole collars were converted from local grids or digitized from georeferenced maps. They are recorded by the Ontario Ministry of Northern Development and Mines in freely available GIS datasets. • A variety of down hole survey tools have been used on the property. All holes were surveyed at 50m intervals while drilling using an EZY Shot magnetic compass based tool supplied by the drillers. In conjunction with this, all holes were surveyed after completion with a non-magnetic down-hole instrument. A variety of tools were trialed including Maxibore tool provided by Reflex

Criteria	JORC Code explanation	Commentary
		Instruments, a Devifelx tool operated by TECH Directional services and an SPT North Seeking Gyro. For further details of survey reproducibility and tools used please refer to document 'Updated Mineral Resource Estimate for the Pickle Crow Property, Patricia Mining Division, Northwestern Ontario, Canada' NI-43-101 dated 15th June 2018 and available from System for Electronic Document Analysis and Retrieval (www.sedar.com) for First Mining Inc. For all drilling not conducted by PC Gold (lacking the PC- prefix) surveys were conducted during drilling with hole orientation recorded by the geologist in the field. Downhole surveys of dip are recorded by azimuths away from the collar are generally lacking. • All location data is in UTM grid (NAD83 Zone 15) except where noted. • Topographic Control for PC Gold drilling (PC- prefix) was from a DTM created with geophysical surveys and verified by drill collar surveys. For all other collar data elevation was estimated from contours provided from SRTM.
Data spacing and distribution	• Data spacing for reporting of Exploration Results. • Whether the data spacing, and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied. • Whether sample compositing has been applied.	• Due to the nature of mineralisation the hole spacing is highly variable and of a progressive exploration in nature. • Data spacing for the quoted drilling is not sufficient to establish geological and grade continuities for regional targets. • No sample compositing was applied.
Orientation of data in relation to geological structure	• Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type. • If the relationship between the drilling orientation and the orientation of key mineralized structures is considered to have introduced a sampling bias, this should be assessed and reported if material.	• Drill hole orientations were designed to test perpendicular or sub-perpendicular to the orientation of the intersected mineralisation. Drilling was typically oriented perpendicular to the trend of geophysical anomalism and the mapped strike and dip of observed mineralisation on surface and elsewhere in the project area. • Due to the density of drilling and the orientation of drilling perpendicular to mineralized bodies there is limited bias introduced by drillhole orientation.
Sample security	• The measures taken to ensure sample security.	• For PC Gold drilling (PC- prefix), once the core samples were cut, bagged and sealed with zip ties, ten samples were put into rice bags which were sealed and secured with numbered security tags. Once samples arrived at the laboratory the security tags and corresponding samples were verified against onsite logs. Prior to shipment samples were stored in a locked building onsite. Site was always occupied, and no samples were left at the project during field breaks. For all other drillholes the measures taken to ensure sample security are unknown.
Audits or reviews	• The results of any audits or reviews of sampling techniques and data.	• An audit and review of sampling techniques and data was conducted as part of NI-43-101 resource estimation by Independent Consultants Micon International. Please refer to document 'Updated Mineral Resource Estimate for the Pickle Crow Property, Patricia Mining Division, Northwestern Ontario, Canada' NI-43-101 dated 15th June 2018 and available from System for Electronic Document Analysis and Retrieval (www.sedar.com) for First Mining Inc.

Section 2 Reporting of Exploration Results (Criteria listed in the preceding section also apply to this section.)

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	• Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings. • The security of the tenure held at the time of reporting along with any known impediments to obtaining a license to operate in the area.	• The mineral concessions of the Pickle Crow project consist of 106 patented mining claims covering 1,712ha and 88 contiguous, unpatented claims covering approximately 14,048ha. Of the 106 patented claims 98 (the Pickle Crow Lease) are held in the name of Teck Cominco Limited (Teck) and 8 are held in the name of PC Gold. The unpatented claims are held in the name of PC gold. PC Gold has a lease on the 98 patented claims held by Teck which expires in 2067. These leasehold claims are subject to two net smelter return (NSR) royalties totaling 1.25%. The other 8 patented claims (the Crowshore Patents), plus certain unpatented claims are subject to NSR royalties ranging from 2% to 3%. A full list of tenements along with details of relevant NSR's as they pertain to individual properties is given in Auteco ASX releases dated: 28/01/2020 and 17/02/2020. An additional 600 claims were staked by Auteco subsidiary, Revel Resource (JV) Ltd. and are subject to the terms of the Earn-In-Arrangement. • Auteco has entered into a binding term sheet agreement to acquire up to 80% of the Pickle Crow Gold Project from First Mining. A payment of C$50,000 has been made to First Mining. Subject to the completion of a formal agreement, the consideration for acquisition of the assets are as follows: Upon signing a formal agreement: A further C$50,000 and 25,000,000 Shares in the capital of Auteco at a deemed issue price of A$0.008 per share. Stage 1 Earn-In (51%): Spending C$5,000,000 over three years comprising: Spending C$750,000 within a 12-month period ('Expenditure Payment 1'): and Spending C$4,250,000 within a 24-month period after Expenditure Payment 1 is satisfied; and Subject to shareholder approval by Auteco, issuing to First Mining 100,000,000 Shares in Auteco. (together 'Stage 1 earn in'). Stage 2 Earn-In (a further 19%): Expending exploration expenditure in the 24-month period commencing on the date that Auteco satisfies the Stage 1 Earn-in of C$5,000,000 ('Expenditure Payment 3'); and Within 90 days of completing expenditure Payment 3, making a cash payment to Seller in the amount of C$1,000,000 ('Expenditure Payment 4'), (together the 'Stage 2 Earn In'). Also, Buy In: May buy a further 10% interest by paying C$3,000,000 to First Mining; and a 2% Net Smelter Return granted after the Stage 2 Earn-In. Further details are included in ASX release (17/02/2020). • For a more complete discussion of type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings relating to the Pickle Crow Project please refer to document 'Updated Mineral Resource Estimate for the Pickle Crow Property, Patricia Mining Division, Northwestern Ontario, Canada' NI-43-101 dated 15th June 2018 and available from System for Electronic Document Analysis and Retrieval (www.sedar.com) for First Mining Inc.
Exploration done by other parties	• Acknowledgment and appraisal of exploration by other parties.	• The first government survey of the area was performed by William McInnes of the Geological Survey of Canada (GSC) along the Crow River from 1903 to 1905. Prospecting in the Pickle Lake area commenced in 1926. In 1927, Lois Cohen of Haileybury formed a prospecting group and early that winter sent Alex and Murdock Mosher in to stake the first claims (December 1927) on what ultimately became the Central Patricia Gold Mines property. These claims were optioned by F.M Connell and Associates in August 1928 and Central Patricia Gold Mines Limited was incorporated on February 19, 1929. Diamond drilling commenced at Central Patricia in February 1929 and production in March 1930. The Central Patricia discovery paved the way from exploration in the region which led to the discovery and initial drilling (1929) of the first Pickle Crow orebody the No.1 Vein by Northern Aerial Mineral Exploration Limited, a company set up in 1928 by J.E. (Jack) Hammell. In 1929 gold was also discovered by Albany River Miners Ltd. (Albany River) at the No.16 vein on

the Albany River claims to the east of the then Pickle Crow property. Northern Aerial was acquired by Pickle Crow Gold Mines Limited (PCGM) in 1934 with Jack Hammell continuing as president. Production from the Pickle Crow mine began on April 17, 1935. Albany river sank the Albany shaft to a depth of 190m between 1933 and 1938 and completed extensive underground development. Winoga Patricia Gold Mines was created in 1936 and drilled 73 surface diamond drill holes on a pie-shaped property located between PCGM's holdings and the Albany River Mines ground to the east. A mine shaft was subsequently sunk on the property in 1938. That same year, PCGM took over ownership of both Albany River Mines and Winoga Patricia Gold Mines through a new company called Albany River Gold Mines Ltd. It is believed that the Winoga Patricia Gold Mines shaft later became the No.3 Shaft of the Pickle Crow operation. The Cohen-MacArthur zone, located 2km to the north of the developing Pickle Crow mine, was discovered in 1933. A total of 14 surface diamond holes were drilled at Cohen-MacArthur in the winter of 1936. This property was optioned by PCGM in 1938, With the acquisition of the Cohen-MacArthur claims, PCGM became one of the largest land holders in the Pickle Lake area. The GSC completed a regional synthesis of the Pickle Crow Greenstone belt during this period as well. Ground and airborne geophysical surveys have been completed over all or parts of the Pickle Crow property at various times during its early history. A dip-needle survey completed in 1936 on the Pickle Crow property was useful in tracing out the bands of the iron formation. A detailed magnetic survey was carried out over the property by Teck (or its predecessor companies) around 1960. The property then underwent a series of ownerships until it became wholly owned by Teck in 1971. The property then sat dormant until 1973 when Pickle Crow Exploration Ltd. Reviewed the economics of reopening the mine. In 1978, a merger between Pickle Crow Explorations Ltd. And four other companies saw Teck's ownership reduced to 44.6% and a new exploration company called Highland-Crow Resources Ltd. Highland Crow went on to option the property to Galant Gold Mines Limited in 1979. Gallant performed a VLF_EM geophysical survey and drilled 47 surface diamond drill holes for 7,356m. The only known soil geochemical survey done on the Pickle Crow property was completed for Gallant in 1983. Soil values ranged from 10 to 12,000ppb with the high values attributed to mine tailings and cultural anomalies. In 1983 the property returned to Highland-Crow. Noramco Mining Corp. bought Highland-Crow in 1988. Between 1985 and 1987 Highland-Crow completed line-cutting, magnetometer and IP, geophysical surveying, geological mapping, surface trenching, diamond drilling and environmental baseline studies. Noramco drilled surface exploration holes, completed geophysical surveys and commenced dewatering of the No.1 shaft. Noramco drilled 286 surface diamond drill holes for 46,189m and 79 underground holes for 9,341m. Noramco also commissioned Historic (non-compliant) resource estimates. In 1994 Noramco changed its name to Quest Capital. Quest assigned its interest to Pickle Crow Resources Inc. A total of 4 surface diamond drill holes for 2,287m were completed. Quest then sold its interest to Wolfden Resource Inc who entered into an option agreement with Jonpol Explorations Ltd. Who drilled 18 surface diamond holes for 2,173.5m. Wolfden also entered into a surface mining agreement with Cantera Mining Limited in 2000. Canterra commenced building a 225tpd gravity mill on site in 2002 but was placed into receivership in 2004. In 2006 Wolfden transferred Pickle Crow to Premier Gold Mines Ltd. Before the property was sold to PC Gold in 2007. PC Gold then explored the property completing 184 holes for 62,968m by 2011 and 173 holes for 35,840.4m from 2011 to 2014 before commissioning an NI-43-101 compliant Resource Estimate. For further details please refer to document 'Updated Mineral Resource Estimate for the Pickle Crow Property, Patricia Mining Division, Northwestern Ontario, Canada' NI-43-101 dated 15th June 2018 and available from System for Electronic Document Analysis and Retrieval (www.sedar.com) for First Mining Inc.

Geology	• Deposit type, geological setting and style of mineralisation.	• The Pickle Crow Gold Deposit is considered to be an Archean low-sulphide gold-quartz vein type deposit, also known as shear-hosted gold, Archean quartz-carbonate vein gold deposits, Archean lode gold, Archean mesothermal gold deposits or simply orogenic gold. The deposit occurs primarily within mafic volcanics and banded iron formation (BIF) units in the Pickle Crow assemblage of the Pickle Lake Greenstone belt in the Uchi Lake Subprovince of the Superior Craton of the Canadian Shield.
Drill hole Information	• A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes: o easting and northing of the drill hole collar o elevation or RL (Reduced Level – elevation above sea level in meters) of the drill hole collar o dip and azimuth of the hole o down hole length and interception depth o hole length. • If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.	• Refer to Appendix A for drill hole information for all reported drill holes for this JORC 2012 Table 1 and in accordance with ASX listing rule 5.7.2.
Data aggregation methods	• In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated. • Where aggregate intercepts incorporate short lengths of high-grade results and longer lengths of low-grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations	• All drill hole intersections are reported in Table 1, above a lower cut-off grade of 0.5g/t Gold or 1g/t as indicated, with no upper cut off grade has been applied. A maximum of 1m internal waste was allowed. Tabulated results presented in the main body of this release. • Metal equivalent values are not used

	should be shown in detail. • The assumptions used for any reporting of metal equivalent values should be clearly stated.	
Relationship between mineralisation widths and intercept lengths	• These relationships are particularly important in the reporting of Exploration Results. • If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported. • If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true width not known').	• All intersections reported in Table 1 are down hole • The majority of the drill holes are drilled as close to orthogonal to the plane of the mineralized lodes as possible. A number of drill holes have intersected the mineralisation at high angles. • Only down hole lengths are reported.
Diagrams	• Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.	• An exploration plan is included in the body of this release as deemed appropriate by the competent person.
Balanced reporting	• Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.	• Any significant higher-grade zones in historical drilling are listed as included intervals in Table 1. • All results above 0.5g/t lower cutoff or 1g/t are reported in Table 1 as indicated
Other substantive exploration data	• Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.	• Appropriate plans are included in the body of this release.

Further work	• The nature and scale of planned further work (e.g. tests for lateral extensions or depth extensions or large-scale step-out drilling). • Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.	• Auteco Minerals intends to rapidly advance the Pickle Crow towards drill testing and bringing mineralization into JORC 2012 compliance. • An appropriate exploration target plan is included in the body of this release.