



MANAGEMENT'S DISCUSSION AND ANALYSIS

**FOR THE QUARTER ENDED
MARCH 31, 2020**

TABLE OF CONTENTS

OUR BUSINESS	3
Q1 2020 FINANCIAL & OPERATING SUMMARY	3
REVIEW OF OPERATING AND FINANCIAL RESULTS	6
CONSOLIDATED FINANCIAL RESULTS	10
REVIEW OF FINANCIAL CONDITION	15
CAPITAL STRUCTURE	17
OFF-BALANCE SHEET ITEMS.....	18
RELATED PARTY TRANSACTIONS.....	18
DEVELOPMENT AND EXPLORATION PROJECTS	18
QUALIFIED PERSON.....	19
OUTSTANDING SHARE DATA.....	19
NON-IFRS PERFORMANCE MEASURES	19
RISKS AND UNCERTAINTIES	22
CRITICAL ACCOUNTING ESTIMATES.....	27
DISCLOSURE CONTROLS AND PROCEDURES AND INTERNAL CONTROLS OVER FINANCIAL REPORTING ..	27
CAUTIONARY NOTE REGARDING FORWARD-LOOKING STATEMENTS.....	29

MANAGEMENT'S DISCUSSION AND ANALYSIS FOR THE FIRST QUARTER ENDED MARCH 31, 2020

This Management's Discussion and Analysis ("MD&A") should be read in conjunction with the unaudited condensed interim consolidated financial statements for the three months ended March 31, 2020, and the annual audited consolidated financial statements and MD&A for the year ended December 31, 2019, and related notes thereto which have been prepared in accordance with International Financial Reporting Standards ("IFRS"). For further information on Jaguar Mining Inc., reference should be made to its public filings (including its most recently filed annual information form ("AIF") which is available on SEDAR at www.sedar.com). Information on risks associated with investing in the Company's securities and technical and scientific information under National Instrument 43-101 concerning the Company's material properties, including information about mineral resources and reserves, are contained in the Company's most recently filed AIF and technical reports.

All amounts included in this MD&A are in United States dollars ("\$"), unless otherwise specified. References to C\$ are to Canadian dollars and R\$ are to Brazilian Reais. This report is dated as at May 12, 2020.

The Company has included certain non-GAAP financial measures, which the Company believes that, together with measures determined in accordance with IFRS, provide investors with an improved ability to evaluate the underlying performance of the Company. Non-GAAP financial measures do not have any standardized meaning prescribed under IFRS, and therefore they may not be comparable to similar measures employed by other companies. The data is intended to provide additional information and should not be considered in isolation or as a substitute for measures of performance prepared in accordance with IFRS. The non-GAAP financial measures in this MD&A include:

- *Cash operating costs (per ounce sold);*
- *Cash operating cost (per tonne of ore processed);*
- *All-in sustaining costs (per ounce sold);*
- *Average realized gold price (per ounce sold);*
- *Cash operating margin (per ounce sold);*
- *All-in sustaining margin(per ounce sold);*
- *Adjusted operating cash flow;*
- *Adjusted earnings before interest, taxes, depreciation, and amortization ("EBITDA");*
- *Free cash flow (per ounce sold);*
- *Working Capital;*
- *Sustaining capital expenditures; and*
- *Non-sustaining capital expenditures.*

Definitions and reconciliations associated with the above metrics can be found in the Non-IFRS Performance Measures section of this MD&A.

Where we say "we," "us," "our," the "Company" or "Jaguar," we mean Jaguar Mining Inc. or Jaguar Mining Inc. and/or one or more or all of its subsidiaries, as it may apply. The following abbreviations are used to describe the periods under review throughout this MD&A:

Abbreviation	Period	Abbreviation	Period
Q1 2020	January 1, 2020 – March 31, 2020	Q1 2019	January 1, 2019 – March 31, 2019

OUR BUSINESS

Jaguar Mining Inc. (“Jaguar” or the “Company”) is a Canadian-listed junior gold mining, development and exploration company operating in Brazil with three gold mining complexes, and a large land package with significant upside exploration potential. The Company’s principal operating assets are located in the state of Minas Gerais and include the Turmalina Gold Mine Complex (Turmalina Gold Mine and plant) and Caeté Gold Mine Complex (Pilar Gold Mine, Roça Grande Gold Mine and Caeté plant). The Company also owns the Paciência Gold Mine Complex (“Paciência”), which has been on care and maintenance since 2012. Jaguar’s Brazilian assets and operations are held by Jaguar’s wholly-owned subsidiary Mineração Serras dos Oeste EIRELI. (“MSOL”).

Q1 2020 FINANCIAL & OPERATING SUMMARY

(\$ thousands, except where indicated)	Three months ended March 31,	
	2020	2019
Financial Data		
Revenue	\$ 30,801	\$ 21,416
Operating costs	14,297	14,630
Depreciation	3,625	3,610
Gross profit	12,879	3,176
Net income (loss)	12,275	(1,839)
Per share (“EPS”)	0.02	(0.01)
EBITDA ¹	18,401	2,653
Adjusted EBITDA ^{1,2}	14,043	3,577
Adjusted EBITDA per share ¹	0.02	0.01
Cash operating costs (per ounce sold) ¹	693	870
All-in sustaining costs (per ounce sold) ¹	1,103	1,428
Average realized gold price (per ounce) ¹	1,492	1,273
Cash generated from operating activities	8,634	2,523
Free cash flow ¹	2,083	(4,563)
Free cash flow (per ounce sold) ¹	101	(271)
Sustaining capital expenditures ¹	6,551	7,086
Non-sustaining capital expenditures ¹	857	189
Total capital expenditures	7,408	7,275

¹ Average realized gold price, sustaining and non-sustaining capital expenditures, cash operating costs and all-in sustaining costs, adjusted operating cash flow, free cash flow, EBITDA and adjusted EBITDA, and adjusted EBITDA per share are non-IFRS financial performance measures with no standard definition under IFRS. Refer to the Non-IFRS Financial Performance Measures section of the MD&A.

² Adjusted EBITDA excludes non-cash items such as impairment and write downs. For more details refer to the Non-IFRS Performance Measures section of the MD&A.

	Three months ended March 31,	
	2020	2019
Operating Data		
Gold produced (ounces)	21,008	16,365
Gold sold (ounces)	20,640	16,821
Primary development (metres)	1,439	1,161
Secondary development (metres)	602	631
Definition, infill, and exploration drilling (metres)	14,545	6,632

Financial and Operational Summary

Revenue, Gross Profit, Gold Ounces Sold, Operating Costs and Adjusted EBITDA¹

- Revenue for Q1 2020 increased 44% to \$30.8 million, compared with \$21.4 million in Q1 2019, due to 23% higher gold sales and the 17% increase in the average gold realized price of \$1,492/oz. in Q1 2020 as compared to \$1,273/oz. for Q1 2019. As of March 31, 2020, the Company is unhedged on gold price.
- Gross profit for the three months ended March 31, 2020, was \$12.9 million compared to \$3.2 million for Q1 2019. Increased profitability in Q1 2020 reflects higher operating production quarter-over-quarter, and also the increase on the average realized gold price in Q1 2020.
- Gold ounces sold for Q1 2020 increased 23% to 20,640 ounces, compared with 16,821 ounces in Q1 2019. The increase of gold sold in Q1 2020 is reflective of higher production in Pilar Gold Mine (“Pilar”) and Turmalina Gold Mine (“Turmalina”), which have increased production by 30% and 26% respectively, compared to the same period in 2019.
- Operating costs decreased 2.3% to \$14.3 million in Q1 2020, compared with \$14.6 million in Q1 2019. The cost decreases mainly reflect the increase in average head grade (grams per tonne) by 15% from 3.59 (g/t) in Q1 2019 to 4.15 (g/t) in Q1 2020, but also reflect the sharp devaluation of the Brazilian Real versus the US dollar, with the average exchange rate during Q1 2020 being R\$4.47 per US dollar compared to R\$3.77 per US dollar in Q1 2019. From April 1, 2020, to May 11, 2020, the daily exchange rate has ranged from R\$5.24 per US dollar to R\$5.80 per US dollar.
- Adjusted EBITDA for Q1 2020 was \$14 million compared to \$3.6 million for Q1 2019, as a result of the operational improvement quarter-over-quarter.

Cash Operating Costs¹, Total capital Expenditures¹, All-In-Sustaining Costs (“AISC”)¹, Operating Cash Flow and Free Cash Flow¹

- Cash operating costs decreased 20% to \$693 per ounce of gold sold for Q1 2020, compared to \$870 per ounce sold during Q1 2019, primarily due to a 23% increase in gold ounces sold.
- In Q1 2020, total capital investment increased 2% to \$7.4 million, compared to \$7.2 million in Q1 2019.
- All-in sustaining costs decreased 23% to \$1,103 per ounce of gold sold in Q1 2020, compared to \$1,428 during Q1 2019, mainly due to the 23% increase in gold ounces sold.
- Operating cash flow was \$8.6 million for Q1 2020, compared to \$2.5 million in Q1 2019, mainly due to the 44% increase in revenue, due to 23% higher gold sales, and also an increase of 17% in the average gold realized price of \$1,492/oz. in Q1 2020 as compared to \$1,273/oz. for Q1 2019.
- Free cash flow was \$2.1 million for Q1 2020 based on operating cash flow less capital expenditures, compared to negative \$4.6 million in Q1 2019. Free cash flow was \$101 per ounce sold in Q1 2020 compared to negative \$271 per ounce sold in Q1 2019. Free cash flow was low due to 2,019 ounces of gold sold at \$1,607 per ounce on March 31, 2020, for which the payment was received in April due to COVID-19 logistics issues. Had the payment been received in March, the free cash flow would have been \$5.3 million.

Cash Position and Working Capital

- As at March 31, 2020, the Company had a cash position of \$12.1 million, compared to \$10.9 million as at December 31, 2019. The March 31, 2020, cash balance excludes a \$0.5 million restricted-cash deposit associated with the Company’s Brazilian bank indebtedness.
- As at March 31, 2020, working capital was \$12.5 million, compared to \$9.4 million as at December 31, 2019, which includes \$4.8 million in loans from Brazilian banks, which mature every six months and are expected to be rolled forward.

¹ This is a non-GAAP financial performance measures with no standard definition under IFRS. For more details, refer to the non-IFRS performance measures section of the MD&A

Tonnes Processed and Average Grade, Gold Production

- Total processing was 176,000 tonnes in Q1 2020 (Q1 2019 – 160,000 tonnes) at an average head grade of 4.15 g/t (Q1 2019 – 3.59 g/t).
 - In Q1 2020, Turmalina processed 75,000 tonnes (Q1 2019 – 65,000 tonnes) at an average head grade of 4.37 g/t (Q1 2019 – 3.96 g/t).
 - Pilar processed 101,000 tonnes in Q1 2020 (Q1 2019 – 95,000 tonnes) at an average head grade of 3.98 g/t (Q1 2019 – 3.34 g/t).
- Consolidated gold production increased to 21,008 ounces in Q1 2020, compared to 16,365 ounces in Q1 2019, reflecting higher production from Turmalina quarter-over-quarter. Gold recovery was 89.5% in Q1 2020 compared to 87.7% in Q1 2019.
- Pilar production increased 30% to 11,521 ounces in Q1 2020, compared to 8,840 ounces in Q1 2019. Turmalina production increased 26% to 9,487 ounces in Q1 2020, compared to 7,525 ounces in Q1 2019.

REVIEW OF OPERATING AND FINANCIAL RESULTS

Turmalina Gold Mine Complex

Turmalina Quarterly Production

(\$ thousands, except where indicated)	Q1 2020	Q4 2019	Q3 2019	Q2 2019	Q1 2019	Q4 2018	Q3 2018	Q2 2018
Tonnes of ore processed	75,000	99,000	94,000	75,000	65,000	75,000	88,000	77,000
Average head grade (g/t) ¹	4.37	3.44	3.05	3.55	3.96	3.56	3.62	3.46
Average recovery rate (%)	90%	89%	90%	91%	90%	90%	90%	91%
Gold (oz.)								
Produced	9,487	9,773	8,280	7,823	7,525	7,743	9,252	7,824
Sold	8,853	10,063	7,399	7,999	8,006	8,206	8,609	7,610
Cash operating cost (per oz. sold) ²	\$ 684	\$ 754	\$ 826	\$ 766	\$ 868	\$ 787	\$ 722	\$ 761
All-in sustaining cost (per oz. sold) ²	\$ 1,191	\$ 1,282	\$ 1,454	\$ 1,465	\$ 1,347	\$ 1,298	\$ 1,181	\$ 1,316
Cash operating cost (R\$ per tonne) ²	\$ 240	\$ 316	\$ 258	\$ 320	\$ 403	\$ 328	\$ 279	\$ 184

¹ The 'average head grade' represents the recalculated head-grade milled.

² Cash operating costs, average realized cost and All-in sustaining costs are non-IFRS financial performance measures with no standard definition under IFRS. Refer to the Non-IFRS Financial Performance Measures section of the MD&A.

During the first quarter of 2020, Turmalina produced 9,487 ounces of gold compared to 7,525 ounces in the corresponding 2019 period, an increase of 26% or 1,926 ounces. The increase in ounces produced was a result of a 15% increase in the tonnes processed from 65,000 in Q1 2019 to 75,000 in Q1 2020, and also impacted by an 10% increase in the average head grade from 3.96 (g/t) in Q1 2019 to 4.37 (g/t) in Q1 2020. The cash operating cost per ounce sold for the first quarter of 2020 decreased by 21%, or \$184 per ounce, as compared to the same period in 2019 due to higher ounces sold.

Turmalina Capital Expenditures

(\$ thousands)	Three months ended	
	March 31,	
	2020	2019
Sustaining capital ¹		
Primary development	\$ 3,723	\$ 3,161
Brownfield exploration	59	190
Mine-site sustaining	700	480
Total sustaining capital¹	4,482	3,831
Total non-sustaining capital¹	343	141
Total capital expenditures	\$ 4,825	\$ 3,972

¹ Sustaining and non-sustaining capital are non-IFRS financial measures with no standard definition under IFRS. Refer to the Non-IFRS Financial Performance Measures section of the MD&A. Capital expenditures are included in our calculation of all-in sustaining costs and all-in costs.

(metres)	Three months ended	
	March 31,	
	2020	2019
Primary development	1,073	573
Secondary development	279	321
Total development	1,352	894
Definition drilling	2,147	459
Infill drilling	1,350	2,845
Exploration drilling	4,579	986
Total definition, infill, and exploration drilling	8,076	4,290

Mining

Located 1.5 hours west of Belo Horizonte, Turmalina is an underground mine that predominantly utilizes sub-level stoping as a mining method. Backfilling is completed using loose rockfill or paste depending upon the situation. Mine flexibility and realized head grade ore tonnage have been low due to the limited access to core mining areas. The situation evolved out of rock mechanic issues experienced in 2017. Current development and mining practice will provide access to the full orebody, providing a sustainable mining sequence, and providing for the maintenance of stable ground conditions. Moving to a 4-shift-per-day schedule (to deal with legally limited underground working hours of six) was accomplished earlier last year, providing the mine more flexibility to increase production and development.

Currently development is being completed by both Jaguar crews and the mining contractor Toniolo Busnello (“TBSA”). Contractor development is targeted at deepening A-zone access, which opened a new mining panel (A-zone Panel 12) at the end of 2019. Jaguar development is focused on accessing C-zone ore, which will open up a new panel higher in the mine in the third quarter of 2020. Development rates have accelerated since the beginning of the year to 1,349 metres (up from 653 in Q4 2018, 894 metres in Q1 2019, and 1,113 metres in Q2 2019). Turmalina demonstrated the needed capacity to move tonnes and complete development at levels that will allow the mine to bring on the sustainable mining panels that will provide adequate stoping options. The new panels will allow the mine to bring the grade back toward the reserve grade.

Mining was challenging in 2018 and 2019 as access to an adequate mining sequence of stoping blocks was not available. Mining sequence has since improved, Turmalina crews have adapted and the modification of drilling, blasting, cable bolting, and sill development are bringing all issues into line with normal mining practice. Paste fill is expected to provide a significant advantage in mining the core portion of the orebody in Panel 12 of A-zone. Modifications and additions to the paste fill system will allow improved stope sequencing, and maintain good geotechnical conditions as these ore blocks are removed. Systematic stope sequencing with two new panels (A-zone Panel 12, and C-zone Panel 5) will provide for a solid compliance to plan and provide mine head grades closer to the historical realized grades. Identification of C-central’s potential down plunge extension occurred at the end of the first quarter. The first stope-initiated production in September 2019 is a good indication of Turmalina’s ability to adjust and quickly capitalize on new opportunities. Turmalina started 2019 with 228,000 ounces of reserves. In-mine Diamond Drilling has been maintained during the year and reserves will be updated during 2020.

Processing

The processing plant at Turmalina is onsite and the C-zone portal is within 200 metres of the crusher grizzly. The plant begins with primary and secondary crushing which feeds a crushed ore bin. The ore bin can feed any of three ball mill circuits. Total milling capacity exceeds 3,000 tonnes per day. The plant currently operates only Mill #3 that can easily handle current and expected mined tonnage rates. The ball mills provide ground ore to the carbon-in-pulp (“CIP”) circuit. Recoveries have historically been at 90% plus or minus. The plant is making ongoing improvements to ensure operating confidence as well as minimizing costs at the best recovery possible. Tails are sent to a filtration system from which they can be provided to the paste plant for backfill, or they can go to the dry stack area. The plant is seen as an opportunistic asset for Jaguar because with limited capital it can significantly up throughput. When mine ounce production is raised and maintained at sustainable

rates, this will allow the Company to look for additional opportunities in the mine on its current property and within a reasonable distance.

Turmalina Free Cash Flow¹

(\$ thousands, except where indicated)	Three months ended March 31,	
	2020	2019
Turmalina Complex		
Revenue	\$ 13,212	\$ 10,193
Less cash operating costs	6,058	6,952
Less sustaining capital expenditures	4,482	3,831
Free Cash Flow	\$ 2,672	\$ (590)

¹ This is a non-GAAP financial performance measure with no standard definition under IFRS. For further information, refer to the Non-IFRS Financial Performance Measures section of the MD&A.

The free cash flow for the three months ended March 31, 2020, increased compared to the same period in 2019, primarily as a result of the 30% increase in revenue, due to 11% higher gold sales, as well as an increase of 17% in the average gold realized price of \$1,492/oz. in Q1 2020 as compared to \$1,273/oz. for Q1 2019.

Caeté Gold Mine Complex

Caeté Complex Quarterly Production

The Caeté Mining Complex ("Caeté") includes the Pilar Gold Mine and the Caeté Processing Plant. On March 22, 2018, the Roça Grande mine was placed on care and maintenance. Ore from Pilar is trucked a total distance of approximately 40 kilometres by road to the Caeté plant. The Caeté plant has a capacity of 2,200 tonnes per day and includes gravity, flotation and CIP processing.

Pilar Quarterly Production

(\$ thousands, except where indicated)	Q1 2020	Q4 2019	Q3 2019	Q2 2019	Q1 2019	Q4 2018	Q3 2018	Q2 2018
Tonnes of ore processed (t)	101,000	115,000	114,000	109,000	95,000	103,000	87,000	94,000
Average head grade (g/t) ¹	3.98	3.21	3.50	3.44	3.34	3.25	4.40	4.03
Average recovery rate (%)	89%	87%	86%	87%	86%	87%	90%	90%
Gold (oz.)								
Produced	11,521	10,256	11,044	10,543	8,840	9,301	11,068	10,995
Sold	11,787	10,997	10,018	10,599	8,815	9,416	11,832	9,620
Cash operating cost (per oz. sold) ²	\$ 699	\$ 804	\$ 777	\$ 802	\$ 871	\$ 803	\$ 557	\$ 683
All-in sustaining cost (per oz. sold) ²	\$ 875	\$ 1,092	\$ 1,099	\$ 1,065	\$ 1,240	\$ 1,050	\$ 888	\$ 967
Cash operating cost (R\$ per tonne) ²	\$ 243	\$ 317	\$ 271	\$ 306	\$ 200	\$ 280	\$ 299	\$ 171

¹ The 'average head grade' represents the recalculated head-grade milled.

² Cash operating costs, average realized cost and All-in sustaining costs are non-IFRS financial performance measures with no standard definition under IFRS. Refer to the Non-IFRS Financial Performance Measures section of the MD&A.

During the first quarter of 2020, Pilar produced 11,521 ounces of gold compared to 8,840 ounces in Q1 2019, an increase of 30% due to the increase in average head grade from 3.34 (g/t) in Q1 2019 to 3.98 (g/t) in Q1 2020, and also the increase in the tonnes processed from 95,000 in Q1 2019 to 101,000 in Q1 2020. The cash operating cost per ounce sold for Q1 2020 decreased 20% as compared to Q1 2019 due to higher production.

Pilar Capital Expenditures

(\$ thousands, except where indicated)	Three months ended	
	March 31,	
	2020	2019
Sustaining capital ¹		
Primary development	\$ 1,376	\$ 2,693
Brownfield exploration	7	51
Mine-site sustaining	686	511
Total sustaining capital¹	2,069	3,255
Total non-sustaining capital¹	438	48
Total capital expenditures	\$ 2,507	\$ 3,303

¹ Sustaining and non-sustaining capital are non-IFRS financial performance measures with no standard definition under IFRS. Refer to the Non-IFRS Financial Performance Measures section of the MD&A. Capital expenditures are included in our calculation of all-in sustaining costs and all-in costs.

(metres)	Three months ended	
	March 31,	
	2020	2019
Primary development	366	588
Secondary development	323	310
Total development	689	898
Definition drilling	1,040	1,621
Infill drilling	9	721
Exploration drilling	5,420	-
Total definition, infill, and exploration drilling	6,469	2,342

Mining

Located two hours east of Belo Horizonte, Pilar is an underground mine that predominantly utilizes sub-level stoping as a mining method. Backfilling is completed using loose rockfill, which is utilized exclusively in this mine. Pilar has shown consistent performance for the last two years and is continually pushing performance up. The Pilar team has shown great initiative in working to continually raise the production of the mine. Pilar has positioned itself for sustainable performance at about 4,000 ounces per month. Highly competent ground conditions have allowed for fairly large stoping blocks to be removed, providing large productive mining cycles.

The development rate of 888 metres in Q4 2019 has allowed the mine to maintain several sublevels of development in front of the planned mining sequence in Q1 2020. This has provided flexibility to adapt to mining issues, and the ability to continue meeting and exceeding ounce production targets in a sustainable manner. Pilar utilizes the contractor TBSA in the lowest portion of the mine, extending the main ramp and developing new sub-levels. Jaguar crews develop metres in the areas of active mining.

Q1 2020 saw continued strong performance on tonnage at Pilar with 101,000 tonnes milled (95,000 tonnes in Q1,2019). Head grades were lower than the YTD average as the mining sequence was in a lower grade cycle. Sequenced mining started in Panel 12 at the end of the quarter. The mine team has done a good job of gradually ramping up production and adapting to the depth added with each new panel. The mine began 2020 with reserves of 173,000 ounces (utilizing depletion method). In-mine Diamond Drilling has been maintained during the year and reserves will be updated during 2020.

Processing

Ore is processed at Jaguar's Caeté processing plant, which is located approximately 40 kilometres from Pilar. The plant utilizes gravity recovery which recovers about 50% of the gold, followed by a flotation circuit and leaching of the flotation concentrate

in a CIP circuit. Historic recoveries have commonly ranged from 85 to 90%. The plant has capacity for approximately 2,200 tonnes per day, and significant opportunity is available for additional feed. The non-sulphide tails (flotation tails) are dry stacked, and leach tails are sent to the Moita Dam. Construction of a leach flotation filtration plant is scheduled for completion in Q3 2020 after which leach tailings will also be dry stacked.

Pilar Free Cash Flow¹

(\$ thousands, except where indicated)	Three months ended	
	March 31,	
	2020	2019
Pilar		
Revenue	\$ 17,590	\$ 11,223
Less cash operating costs	8,240	7,676
Less sustaining capital expenditures	2,069	3,255
Free Cash Flow	\$ 7,281	\$ 292

¹ This is a non-GAAP financial performance measure with no standard definition under IFRS. For further information, refer to the Non-IFRS Financial Performance Measures section of the MD&A.

The free cash flow for the three months ended March 31, 2020, increased compared to the same period in 2019, primarily as a result of the increase of 57% in revenue, due to 34% higher ounces sold, as well as the 17% increase in the average gold realized price of \$1,492/oz. in Q1 2020 as compared to \$1,273/oz. for Q1 2019.

CONSOLIDATED FINANCIAL RESULTS

Quarterly Financial Review¹

(\$ thousands except where indicated)	Q1 2020	Q4 2019	Q3 2019	Q2 2019	Q1 2019	Q4 2018	Q3 2018	Q2 2018
Revenue	\$ 30,801	\$ 28,895	\$ 22,999	\$ 23,923	\$ 21,416	\$ 21,377	\$ 25,426	\$ 22,888
Cost of sales (excluding depreciation) ²	(14,297)	(16,433)	(13,906)	(14,627)	(14,630)	(14,014)	(12,809)	(12,356)
Gross profit (excluding depreciation) ²	16,504	12,462	9,093	9,296	6,786	7,363	12,617	10,532
Net income (loss)	12,275	2,687	1,141	(2,137)	(1,839)	(15,065)	2,208	(1,334)
Cash flows from operating activities	8,634	9,664	4,676	7,505	2,523	5,180	6,566	4,079
Total assets	199,198	200,915	194,638	184,111	183,352	178,667	178,560	177,262
Total liabilities	58,120	72,335	68,613	83,887	81,205	74,812	60,145	61,471
Working Capital	12,548	9,436	5,504	(13,091)	(8,328)	(2,411)	1,590	4,025
Total Debt	5,959	5,592	5,383	13,969	14,885	9,743	8,070	9,049
Average realized gold price (per oz.) ²	\$ 1,492	\$ 1,372	\$ 1,320	\$ 1,286	\$ 1,273	\$ 1,213	\$ 1,244	\$ 1,328
Cash operating cost (per oz. sold) ²	\$ 693	\$ 780	\$ 798	\$ 786	\$ 870	\$ 795	\$ 627	\$ 717

¹ Sum of all the quarters may not add up to the annual total due to rounding.

² Average realized gold price, cost of sales (excluding depreciation), gross profit (excluding depreciation) and cash operating costs are all non-IFRS financial performance measures with no standard definition under IFRS. For further information, refer to the Non-IFRS Financial Performance Measures section of the MD&A.

The increase of 23% in gold revenue in Q1 2020 and the relative strength in the global gold market positively impacted the Company's revenue. Current assets as at March 31, 2020, was in line with December 31, 2019. Current liabilities decreased \$3.2 million as at March 31, 2020, compared to December 31, 2019, mainly due to the decrease in accounts payables and foreign currency devaluation, from \$16.1 million as at December 31, 2019, to \$12.9 million on March 31, 2020.

Non-current liabilities decrease \$11 million as at March 31, 2020, compared to December 31, 2019, mainly due to the decrease of \$4.9 million in legal and other provisions, impacted by the sharp devaluation of the Brazilian Real versus the US dollar, with the average exchange rate during Q1 2020 being R\$4.47 per US dollar compared to R\$3.77 per US dollar in Q1

2019, and also \$4 million in other liabilities, due to the settlement of a judicial discursion about MTL royalties as detailed in Note 3 (b) in the March 31, 2020, Financial Statements.

Revenue

(\$ thousands, except where indicated)	Three months ended		
	March 31,		
	2020	2019	Change
Revenue	\$ 30,801	\$ 21,416	44%
Ounces sold	20,640	16,821	23%
Average realized gold price ¹	\$ 1,492	\$ 1,273	17%

¹ Average realized gold price is a non-IFRS financial performance measure with no standard definition under IFRS. For further information, refer to the Non-IFRS Financial Performance Measures section of the MD&A.

Revenue for the first quarter of 2020 increased 44% compared to the same period in 2019, primarily as a result of a 23% increase in ounces sold, as well as a 17% increase in average realized gold price. The market price of gold is a primary driver of the Company's profitability and its ability to generate free cash flow. During the three months ended March 31, 2020, the market price of gold (London PM Fix) traded in a range of \$1,474–\$1,684, averaged \$1,583 per ounce, and closed at \$1,609 per ounce on March 31, 2020. The average realized price of \$1,492 for the three months ended on March 31, 2020, was lower than the average market price of \$1,583 (London PM Fix) due to the settlement of the Company's outstanding gold forward contracts associated with historical loans with Auramet. At the end of Q1 2020, Jaguar had settled all outstanding contracts and was unhedged.

Production

A total of 176,000 tonnes were processed in Q1 2020 (Q1 2019 – 160,000 tonnes) at an average head grade of 4.15 g/t in Q1 2020 (Q1 2019 – 3.59 g/t), a 28% increase in gold ounce produced, from 16,365 ounces in Q1 2019 to 21,008 in Q1 2020, reflecting the higher operating production quarter-over-quarter.

Consolidated Production Costs

(\$ thousands, except where indicated)	Three months ended		
	March 31,		
	2020	2019	Change
Direct mining and processing cost	\$ 13,116	\$ 13,685	(4%)
Mining	8,401	9,181	(8%)
Processing	4,715	4,504	5%
Royalties, production taxes and others	1,181	945	25%
Royalty expense and CFEM taxes	1,217	938	30%
NRV adjustment and others	(36)	7	(614%)
Total operating expenses	\$ 14,297	\$ 14,630	(2%)
Depreciation	3,625	3,610	0%
Total cost of sales	\$ 17,922	\$ 18,240	(2%)

¹ Cash operating costs is a non-IFRS financial performance measure with no standard definition under IFRS. Refer to the Non-IFRS Financial Performance Measures section of the MD&A.

During the first quarter of 2020, total operating expenses decreased 2% from \$14.6 million in Q1 2019 to \$14.3 million in Q1 2020, mostly due to the increase in the average head grade from 3.59 (g/t) in Q1 2019 to 4.15 (g/t) in Q1 2020, which was partially offset by a 10% increase in the tonnes processed from 160,000 in Q1 2019 to 176,000 in Q1 2020. Also, the sharp devaluation of the Brazilian Real versus the US dollar has impacted the total operating expenses, with the average exchange rate during Q1 2020 being R\$4.47 per US dollar compared to R\$3.77 per US dollar in Q1 2019. The cash operating cost (per ounce sold) decreased 20% from \$870 in Q1 2019 to \$693 in Q1 2020.

Other Corporate Expenses

(\$ thousands)	Three months ended		
	March 31,		
	2020	2019	Change
Legal, recoverable tax and other provisions expenses	\$ 427	\$ 882	(52%)
General and administrative expenses	1,666	2,168	(23%)
Exploration and evaluation costs	223	41	444%
Care & maintenance costs (Paciência and Roça Grande mines)	174	302	(42%)
Stock-based compensation	224	130	72%
Amortization	29	34	(15%)
Other operating expenses	384	786	(51%)
Total operating expenses	\$ 3,127	\$ 4,343	(28%)

Other corporate expenses include costs related to the overall management of the business that are not part of direct mine operating costs. In Q1 2020, other corporate expenses were \$3.1 million, compared to \$4.3 million in Q1 2019, a 28% decrease in those expenses. The decrease of 23% in general and administrative expenses from \$2.2 million in Q1 2019 to \$1.7 million in Q1 2020 is due to the lower spending in US dollars due to a devaluation of the Brazilian Real and the general cost cutting measures adopted by management. Other corporate expenses include non-cash share based compensation of \$0.2 million for Q1 2020 compared to \$0.1 million Q1 2019.

Care and Maintenance Costs

Paciência Gold Mine Complex

The Paciência Gold Mine Complex remains on care and maintenance. No gold has been produced since the third quarter of 2012. No underground development or drilling work was carried out by the Company at Paciência during Q1 2020. The complex has been secured and the facilities are preserved and patrolled. A limited maintenance staff turns on the mills and equipment on a monthly basis to maintain the plant in working order. Paciência's carrying amount was written down to nil.

Roça Grande Gold Mine

Due to high operating costs, the Roça Grande Mine was placed on care and maintenance on March 22, 2018. No underground development or drilling work was carried out by the Company at Roça Grande during Q1 2020. Roça Grande's carrying amount was written down to nil.

General and Administration Expenses

The general and administration ("G&A") expenses exclude mine-site administrative costs that are charged directly to operations and include legal, accounting, costs to maintain offices and personnel in Belo Horizonte, Brazil and Toronto, Canada, and other corporate costs associated with being a publicly-traded company.

(\$ thousands)	Three months ended		
	March 31,		
	2020	2019	Change
Directors' fees	\$ 75	\$ 68	10%
Audit related and insurance	331	291	14%
Corporate office (Toronto)	455	457	(0%)
Belo Horizonte office	805	1,352	(40%)
Total G&A expenses	\$ 1,666	\$ 2,168	(23%)

For the first quarter of 2020, the total G&A expenses decreased 23% compared to the same period in 2019. Costs associated with the Belo Horizonte office were 40% lower, due to the devaluation of Brazilian Real and the general cost cutting measures adopted by management. Costs for the corporate office in Toronto in Q1 2020 was in line with the same period of 2019.

Changes in Legal Provisions and Value-Added Tax (“VAT”)

(\$ thousands)	Three months ended		
	March 31,		
	2020	2019	Change
Legal and other provisions expense	\$ 320	\$ 999	(68%)
Provision (Reversals) against recoverability of VAT and other taxes	107	(117)	(191%)
Total legal, recoverable tax and other provisions expenses	\$ 427	\$ 882	(52%)

Legal Provisions

As at March 31, 2020, there were 324 employee-initiated active lawsuits (March 31, 2019 – 360) against the Company, largely related to disputed overtime, break/interval and time at disposal. Based on Management’s assessment of the likelihood of loss related to 255 lawsuits (March 31, 2019 – 282), the Company has recorded approximately \$7.4 million as labour legal provisions, with \$2.2 million classified as a current liability as at March 31, 2020 (March 31, 2019 – \$10 million and \$4.6 million respectively).

During Q1 2020, 12 new lawsuits were initiated. The Company paid approximately \$146,000 in appeal deposits and escrow payments, \$184,000 in settlement installments, and \$112,000 for other costs such as social security, income tax, legal fees and expert fees. The total amount spent in Q1 2020 was \$442,000 compared to \$812,000 in Q1 2019.

Recoverable Taxes Provision

As at March 31, 2020, gross recoverable taxes which are primarily denominated in Brazilian Reais, when converted amounted to \$14.7 million (December 31, 2019 – \$20.7 million). As at March 31, 2020, the provision for recoverable taxes was approximately \$2.1 million (December 31, 2019 – \$2.6 million). Consequently, the net book value of recoverable taxes as at March 31, 2020 was \$12.5 million (December 31, 2019 – \$18.1 million).

The Company is required to pay certain federal value added taxes in Brazil that are based on purchases of consumables and property, plant and equipment. These taxes are recoverable from the Brazilian tax authorities through various methods, including via cash refund or as a credit against payroll, supplier withholding taxes, or other taxes payable.

The Company continues to pursue approval of Federal VAT input credits with respect to the years 2008 through 2011 for its MSOL operating subsidiary and included in its value added and other taxes balance. The Company received a cash refund in the amount of R\$3.5 million (approximately \$1 million) in March 2016, related to MSOL. In July 2016, the Company initiated a lawsuit to obtain a court order to force the tax authority to review the Company’s remaining tax credits for MSOL with respect to the years 2008 to 2011, amounting to R\$36.0 million (approximately \$11 million). A court order was granted and by November 2016, the Tax Authority reviewed the claim and granted a favourable decision to partially recognize the amount claimed, deeming R\$1.5 million (approximately \$0.5 million) due to the Company. The Company collected this amount and proceeded to appeal the Tax Authority’s review result in pursuit of further tax credit refund recognition on the remainder of this claim. As at March 31, 2020, the Company is awaiting the Tax Authority’s review result of its appeal to receive the remainder.

In May 2018, the Brazilian federal government ratified a new tax law, Law 13,670/18, which prohibited legal entities from using federal tax credits (PIS and COFINS) to settle its federal income tax and social contribution tax obligations (IRPJ – Imposto de Renda Pessoa Jurídica and CSLL – Contribuição social sobre lucro líquido). The new law was made effective upon ratification and considered immediately applicable to a given company’s portfolio of tax credits held. Following the new law’s ratification, the Company filed a petition challenging the legality of applying the new law to tax credits accumulated prior to the new law’s existence and was successfully awarded a Court order to continue to compensate its IRPJ and CSLL tax obligations with PIS & COFINS tax credits for the fiscal year ended December 31, 2019.

The Company has recorded a provision against its recoverable taxes in Brazil given the limited methods available to recover such taxes and the length of time it will take to recover such taxes. The provision reduces the net carrying amount of value added taxes and other taxes to their estimated recoverable value. In the year ended December 31, 2019, the Company

received the final tax assessments issued by the Brazilian Federal Tax Authority following the conclusion of its audit over the Company's historical Federal VAT input credits recognized in fiscal year 2013. Based on the results confirmed, the Company made a change in accounting estimate and reduced its provision criteria for tax credits recognized after January 1, 2012, from 20% as at December 31, 2017, to 5% as at December 31, 2019, and continued as such through March 31, 2020.

Imposto sobre circulação de mercadorias e prestação de serviços ("ICMS") is a type of value added tax which can either be sold to other companies, usually at a discount rate of 15–30%, be used to satisfy ICMS tax settlement installments due, or be used to purchase specified machinery and equipment, as subject to approval by government authority. The ICMS credits can only be realized in the state where they were generated so, in the case of Jaguar, in the State of Minas Gerais, Brazil. As at March 31, 2020, the Company held R\$0.6 million (approximately \$0.1 million) in ICMS export tax credits authorized for sale but not yet sold (December 31, 2019 – R\$0.6 million, approximately \$0.1 million).

Non-Operating Expenses (Recoveries)

(\$ thousands)	Three months ended		
	March 31,		
	2020	2019	Change
Foreign Exchange (Gain)	\$ (5,629)	\$ (133)	4132%
Financial instruments loss	620	45	1278%
Finance costs	426	848	(50%)
Other non-operating expenses	13	(88)	(115%)
Non-operating expenses (recoveries)	\$ (4,570)	\$ 672	(780%)

A significant portion of the Company's expenditures at its Brazilian operation are denominated in the Brazilian Real ("BRL"). The Gain of \$5.6 million in foreign exchange in Q1 2020, compared to the \$0.1 million from Q1 2019, is a result of the sharp devaluation of the Brazilian Real as compared to the US dollar during the first quarter of 2020. Q1 2020 started with the exchange rate at R\$4.02 per US dollar (R\$3.86 per US dollar in Q1 2019), and closing as at R\$5.20 per US dollar on March 31, 2020, (R\$3.90 per US dollar on March 31, 2019), with the average exchange rate being R\$4.47 in Q1 2020 per US dollar, compared to R\$3.77 in Q1 2019.

Taxes

Brazilian Taxes

Brazilian tax regulation involves three jurisdictions and tax collection levels: Federal, State and Municipal. The main taxes levied are: corporate income tax with companies generally subject to income tax at a rate of 25%, social contribution tax on the net profit at a current rate of 9%, value-added taxes at a rate of 9.25% for PIS/CONFINS and 12–18% for ICMS.

PIS and COFINS are Federal taxes imposed monthly on gross revenue earned by legal entities. The calculation method is, in the Company's case, non-cumulative, under which PIS and COFINS are levied on gross revenue at 1.65% and 7.6%, respectively, with deductions of input tax credits for expenses strictly connected to the Company's business and prescribed by the regulating laws. The export of goods and services are exempt provided funds effectively enter the country. PIS and COFINS are due on importations of goods and services from abroad (PIS-Import and COFINS-Import).

Government Royalty

In July 2017, an executive decree was published increasing the Brazilian royalty that is levied on gold sales, Compensação Financeira pela Exploração de Recursos Minerais ("CFEM"), from 1% to 1.5% effective November 1, 2017. The legislation also outlines a change in the methodology for calculating the royalty from being calculated on gross revenue, less refining charges and insurance, as well as any applicable sales taxes, to being calculated on gross revenue only.

Income and Deferred Taxes Expenses

(\$ thousands)	Three months ended		
	March 31,		
	2020	2019	Change
Current income tax expense	\$ 2,046	\$ -	100%
Income tax expense	\$ 2,046	\$ -	100%

The income tax provision is subject to a number of factors, including the allocation of income between different countries, different tax rates in various jurisdictions, the non-recognition of tax assets, foreign currency exchange rate movements, changes in tax laws and the impact of specific transactions and assessments. Due to the number of factors that can potentially impact the effective tax rate and the sensitivity of the tax provision to these factors, it is expected that the Company's effective tax rate will fluctuate in future periods.

REVIEW OF FINANCIAL CONDITION

Outstanding Debt, Liquidity and Cash Flow

As at March 31, 2020, the Company had a working capital of \$12.5 million (\$9.4 million as at December 31, 2019). Working capital as at March 31, 2020, includes \$4.8 million in loans from Brazilian banks (\$4.5 million as at December 31, 2019), which mature every six months and are expected to continue to be rolled forward.

	March 31, 2020	December 31, 2019
Cash and cash equivalents	\$ 12,125	\$ 10,924
Non-cash working capital		
Other current assets:		
Restricted cash	1,529	1,418
Inventory	12,386	12,701
Recoverable taxes	8,352	12,658
Other accounts receivable	3,651	590
Prepaid expenses and advances	1,810	1,602
Derivatives	-	71
Current liabilities:		
Accounts payable and accrued liabilities	(12,917)	(16,141)
Notes payable	(5,959)	(5,592)
Lease liabilities	(1,259)	(2,020)
Current tax liability	(2,046)	(599)
Other taxes payable	(1,122)	(642)
Reclamation provisions	(261)	(390)
Legal and other provisions	(2,606)	(4,041)
Derivative liabilities	(1,135)	(1,103)
Working capital¹	\$ 12,548	\$ 9,436

¹ This is a non-GAAP financial performance measure with no standard definition under IFRS.

The use of funds during the three and twelve months ended March 31, 2020, is outlined as follows:

(\$ thousands)	Three months ended	
	March 31,	
	2020	2019
Cash generated from operating activities	\$ 8,634	\$ 2,523
Investing activities		
Capital expenditures on equipment and brownfield exploration		
Purchase of property, plant and equipment	(7,595)	\$ (6,873)
Proceeds from disposition of property, plant and equipment	6	4
Cash used in investing activities	\$ (7,589)	\$ (6,869)
Financing activities		
Cash received upon issuance of debt	1,542	7,340
Repayment of debt	(1,801)	(1,257)
Interest paid	(37)	(220)
Restricted cash margin deposits paid	(152)	-
Cash provided by (used in) financing activities	\$ (448)	\$ 5,863
Effect of exchange rate changes on cash balances	604	\$ 75
Net increase (decrease) in cash and equivalents	\$ 1,201	\$ 1,592

Cash generated by operations increased in Q1 2020 to \$8.6 million, compared to \$2.5 million in Q1 2019, due to a 44% or \$9.4 million increase in revenue in Q1 2020. The revenue increasing was primarily as a result of a 23% increase in ounces sold to 20,640 ounces, as well as a 17% increase in average realized gold price to \$1,492 per ounce. The decrease in cash operating costs from \$870 per ounce in Q 2019 to \$693 in Q1 2020, also caused the company to achieve a 242% increase in cash generated by operation activities. The decrease in cash operating costs were a combination of cost-cutting measures and the sharp devaluation of the Brazilian Real, with the average exchange rate being R\$4.47 in Q1 2020 per US dollar, compared to R\$3.77 in Q1 2019.

Net cash flows used in investing activities of \$7.6 million for the three months ended March 31, 2020, were comparable to \$6.9 million in the same period of 2019. The increase in cash used in investing activities occurred primarily due to increase of investment in sustaining capital, focused in primary development.

Cash used in financing activities of \$0.5 million for Q1 2020, is related to the loans from Brazilian banks, which has decreased from \$6.6 million in Q1 2019 to \$4.8 million in Q1 2020. These loans are matured every six months and are expected to be rolled forward.

Contractual Obligations and Commitments

The Company's contractual obligations as at March 31, 2020, are summarized as follows:

(\$ thousands, except where indicated)	Less than		More than		Total
	1 year	1 - 3 years	3 - 5 years	5 years	
Financial Liabilities					
Accounts payable and accrued liabilities ¹	\$ 12,917	\$ -	\$ -	\$ -	\$ 12,917
Other Taxes Payable					
ICMS Settlement Due	506	801	38	-	1,345
INSS	52	104	95	-	251
IRPJ & CSLL Settlement Due	564	1,040	998	-	2,602
Notes payable					
Principal					
Bank indebtedness ²	4,839	-	-	-	4,839
Vale note	1,125	-	-	-	1,125
Interest	30	9	-	-	39
Lease liabilities	1,377	742	85	-	2,204
Reclamation provision ³	260	5,987	7,173	7,577	20,997
Current tax liability	2,046	-	-	-	2,046
Derivative liabilities	1,135	-	-	-	1,135
Other liabilities	-	219	-	-	219
Total financial liabilities	\$ 24,851	\$ 8,902	\$ 8,389	\$ 7,577	\$ 49,719
Other Commitments					
Suppliers' agreements ^{4,5}	111	-	-	-	111
Suppliers' agreements^{4,5}	\$ 111	\$ -	\$ -	\$ -	\$ 111
Total other commitments	\$ 24,962	\$ 8,902	\$ 8,389	\$ 7,577	\$ 49,830

¹ Amounts payable as at March 31, 2020.

² Bank indebtedness represents the principal on Brazilian bank loans that are renewed every six months.

³ Reclamation provisions - amounts presented in the table represent the undiscounted uninflated future payments for the expected cost of reclamation.

⁴ Purchase obligations for supplies and consumables - includes commitments related to new purchase obligations to secure a supply of cyanide, reagents, mill balls and other spares. The Company has the contractual right to cancel the mine operation contracts with 30 days advance notice. The amount included in the commitments table represents the contractual amount due within 30 days.

CAPITAL STRUCTURE

The capital structure of the Company as at March 31, 2020, is as follows:

All amounts in \$ thousands, except number of common shares	As at March 31, 2020	
Bank indebtedness	\$	4,839
Leasing Liabilities		1,930
Vale note		1,120
Total debt	\$	7,889
Less: cash and cash equivalents		(12,125)
Total net debt¹	\$	(4,236)
Number of common shares outstanding		724.1 million

¹ Net debt is a Non-IFRS Performance Measure and is defined as total indebtedness excluding unamortized transaction costs and premiums or discounts associated with debt, less cash and cash equivalents. Net debt provides a measure of indebtedness in excess of the current cash available. The Company reduces gross indebtedness by cash and cash equivalents on the basis that they could be used to pay down debt.

OFF-BALANCE SHEET ITEMS

The Company does not have any off-balance sheet investment or debt arrangements.

RELATED PARTY TRANSACTIONS

The Company incurred legal fees from Azevedo Sette Advogados (“ASA”), a law firm where Luis Miraglia, a director of Jaguar, is a partner. Fees paid to ASA are recorded at the exchange amount, representing the amount agreed to by the parties and included in general and administrative expenses in the condensed interim consolidated statements of operations and comprehensive income (loss). Legal fees paid to ASA were \$3,000 for the three months ended March 31, 2020 (\$19,000 for the three months ended March 31, 2019).

DEVELOPMENT AND EXPLORATION PROJECTS

Development Project – Gurupi

Avanco – Gurupi Project Earn-In Agreement

On October 4, 2016, the Company announced that it entered into an earn-in agreement with Avanco Resources Limited (“Avanco”), pursuant to which Avanco may earn up to a 100% interest in the Gurupi Project. On September 17, 2017, Jaguar and Avanco agreed to a revised, accelerated earn-in agreement with Avanco, pursuant to which Avanco will earn up to a 100% ownership interest in the Gurupi Project after meeting some short-term milestones and making a series of payments to Jaguar.

Main Terms of the Revised Accelerated Earn-in Agreement

Upon the satisfactory completion of certain closing conditions, the agreement provides Avanco with the right to acquire 100% of Jaguar’s interest in the Gurupi Project by paying to Jaguar an aggregate cash payment of \$4 million in two installments of \$2 million each (\$2 million due immediately upon signature and \$2 million due immediately upon transfer of ownership) and committing to a Net Smelter Return (“NSR”) royalty due to Jaguar. Jaguar received an initial aggregate cash payment of \$4 million, in two installments of \$2 million each in September and October 2017. The Company expects to collect the additional \$5 million from Avanco in a series of 10 instalments of \$500,000 during fiscal year 2020, starting in the month in which Avanco receives “clear title and access” to the project.

Within 24 months of the initial \$4 million payment, Avanco will arrange to have published an Australian Joint Ore Reserve Committee (JORC) code compliant technical report regarding the Project with mineral reserves in excess of 500,000 ounces of gold. Any delay in this milestone will result in a project delay fee payable to Jaguar of \$250,000 per nine months of delayed period. Within 60 months of the initial \$4 million payment, Avanco will aim to commission the Gurupi mine and plant. Any delay in this commissioning milestone will result in a separate project delay fee payable to Jaguar of \$250,000 per nine months of delayed period.

Consistent with the original earn-in agreement, Jaguar will retain a life of mine NSR royalty from production at Gurupi. The royalty will be 1% NSR on the first 500,000 ounces of gold or gold ounce equivalents sold; 2% NSR on sales from 500,001 to 1,500,000 ounces of gold or gold ounce equivalents; and 1% NSR on gold sales exceeding 1,500,000 ounces of gold or gold ounce equivalents.

Greenfield Exploration

Jaguar currently holds approximately 64,000 hectares of mineral rights in Brazil. New mining legislation in Brazil has been tabled and the outcome of any mining law reform is, as of yet, unknown. The Company is currently reviewing its greater tenement portfolio with the aim of highlighting opportunities to unlock and leverage unrealized value that can be attributed to a strategic portfolio of advanced, partially tested or untested exploration targets in these areas. This review will inform

discussions on future exploration or divestment decisions for these areas. Holding costs of the assets which are considered strategic remain minimal.

Apart from properties in relatively close proximity to the existing mining operations, the only significant greenfield asset within the exploration portfolio is the Pedra Branca target where good grade surface expressions were identified by mapping and channel samples and have led to some 8,000 metres of exploration drilling to date. Due to prior financial constraints, this prospect has remained dormant but offers opportunity for further exploration should funds be available.

Pedra Branca Project

The Pedra Branca Project is located in the State of Ceará in northeastern Brazil and is currently comprised of 24 exploration licences, totalling 38,926 hectares covering a 38-kilometre section of a regional shear zone. Final exploration reports and a Preliminary Economic Analysis (“PEA”) have been delivered to the National Department of Mineral Production (DNPM) for three of these licences. The concessions are located in and around municipal areas with good infrastructure. The mineralized structures are open along strike with potential for significant gold mineralization.

The Pedra Branca Project is 100% owned by Jaguar. Based on the acquisition agreement of the project entered into with Glencore Xstrata plc. (“Glencore”), Glencore holds rights to an NSR of 1% on future gold production, as well as rights of first refusal on any Base Metal Dominant Deposit (as defined in the amendment) discovered which, if exercised, would allow Glencore to hold 70% of equity in a newly formed legal entity to hold such rights upon payment of 300% of the Company’s exploration expenditures incurred exclusively on the relevant Base Metal Dominant Area of the property.

QUALIFIED PERSON

Scientific and technical information contained in this MD&A have been reviewed and approved by Jonathan Victor Hill, BSc (Hons) (Economic Geology - UCT), Senior Expert Advisor Geology and Exploration to the Jaguar Mining Management Committee, who is also an employee of Jaguar Mining Inc., and is a “qualified person” as defined by National Instrument 43-101 - *Standards of Disclosure for Mineral Projects* (“NI 43-101”).

OUTSTANDING SHARE DATA

The following are the issued and outstanding common shares and numbers of shares issuable under share-based compensation and warrants:

	As at May 12, 2020
Issued and outstanding common shares	724,230,301
Stock options	8,601,481
Deferred share units	6,376,705
Total	739,208,487

NON-IFRS PERFORMANCE MEASURES

The Company has included the following non-IFRS performance measures in this document: cash operating costs per tonne of ore processed, cash operating costs per ounce of gold sold, all-in sustaining costs per ounce of gold sold, cash operating margin per ounce of gold sold, all-in sustaining margin per ounce sold, average realized gold price (per ounce of gold sold), sustaining capital expenditures, non-sustaining capital expenditures, adjusted operating cash flow, free cash flow, earnings before tax, depreciation and amortization (EBITDA), adjusted EBITDA and working capital. These non-IFRS performance measures do not have any standardized meaning prescribed by IFRS and, therefore, may not be comparable to similar measures presented by other companies.

The Company believes that, in addition to conventional measures prepared in accordance with IFRS, certain investors use this information to evaluate the Company’s performance. Accordingly, they are intended to provide additional information and

should not be considered in isolation or as a substitute for measures of performance prepared in accordance with IFRS. More specifically, Management believes that these figures are a useful indicator to investors and management of a mine's performance as they provide: (i) a measure of the mine's cash margin per ounce, by comparison of the cash operating costs per ounce to the price of gold; (ii) the trend in costs as the mine matures; and (iii) an internal benchmark of performance to allow for comparison against other mines. The definitions of these performance measures and reconciliation of the non-IFRS measures to reported IFRS measures are outlined below.

Reconciliation of Cash Operating Costs, All-In Sustaining Costs and All-In Costs per Ounce Sold

(\$ thousands, except where indicated)	Three months ended	
	March 31,	
	2020	2019
Operating costs (per note 13 of the consolidated FS)	\$ 14,297	\$ 14,630
Adjusted operating expenses	14,297	14,630
General & administration expenses	1,666	2,168
Corporate stock-based compensation	224	130
Sustaining capital expenditures	6,551	7,086
All-in sustaining cash costs	22,738	24,014
Reclamation - accretion (operating sites)	21	4
All-in sustaining costs	\$ 22,759	\$ 24,018
Non-sustaining capital expenditures	857	189
Exploration and evaluation costs (greenfield)	223	41
Reclamation - accretion (non-operating sites)	25	18
Care and maintenance (non-operating sites)	174	302
All-in costs	\$ 24,038	\$ 24,568
Ounces of gold sold	20,640	16,821
Cash operating costs per ounce sold	\$ 693	\$ 870
All-in sustaining costs per ounce sold	\$ 1,103	\$ 1,428
All-in costs per ounce sold	\$ 1,165	\$ 1,461
Average realized gold price	\$ 1,492	\$ 1,273
Cash operating margin per ounce sold	\$ 799	\$ 403
All-in sustaining margin per ounce sold	\$ 389	\$ (155)

Reconciliation of Cash Operating Costs, All-In Sustaining Costs per Ounce Sold by Mine Complex/Site

(\$ thousands, except where indicated)	Three months ended	
	March 31,	
	2020	2019
Turmalina Complex		
Operating costs	\$ 6,058	\$ 6,952
Sustaining capital expenditures	4,482	3,831
All-in sustaining costs¹	\$ 10,540	\$ 10,783
Ounces of gold sold	8,853	8,006
Cash operating costs per ounce sold¹	\$ 684	\$ 868
All-in sustaining cost per ounce sold^{1,2}	\$ 1,191	\$ 1,347

Pilar Mine

Operating costs	\$ 8,240	\$ 7,676
Sustaining capital expenditures	2,069	3,255
All-in sustaining costs¹	\$ 10,309	\$ 40,242
Ounces of gold sold	11,787	8,815
Cash operating costs per ounce sold¹	\$ 699	\$ 871
All-in sustaining cost per ounce sold^{1,2}	\$ 875	\$ 4,565

¹ Cash operating costs and all-in sustaining costs are all non-GAAP financial performance measures with no standard definition under IFRS. Results of individual mines may not add up to the consolidated numbers due to rounding.

² The calculation by mine site does not include allocation of the Corporate G&A - Toronto and Belo offices.

Reconciliation of Free Cash Flow

(\$ thousands, except where indicated)	Three months ended	
	March 31,	
	2020	2019
Cash generated from operating activities	\$ 8,634	\$ 2,523
Sustaining capital expenditures	(6,551)	(7,086)
Free cash flow	\$ 2,083	\$ (4,563)
Ounces of gold sold	20,640	16,821
Free cash flow per ounce sold	\$ 101	\$ (271)

¹ This is a non-GAAP financial performance measure with no standard definition under IFRS.

Reconciliation of Net Income (Loss) to EBITDA and Adjusted EBITDA¹

(\$ thousands, except where indicated)	Three months ended	
	March 31,	
	2020	2019
Net Income (loss)	\$ 12,275	\$ (1,839)
Income tax expense	2,046	-
Finance costs	426	848
Depreciation and amortization	3,654	3,644
EBITDA	\$ 18,401	\$ 2,653
Changes in other provisions and VAT taxes	427	882
Foreign exchange loss (gain)	(5,629)	(133)
Stock-based compensation	224	130
Financial instruments (gain) loss	620	45
Adjusted EBITDA	\$ 14,043	\$ 3,577

¹ This is a non-GAAP financial performance measure with no standard definition under IFRS.

RISKS AND UNCERTAINTIES

The Company is subject to various business, financial and operational risks which could materially adversely affect the Company's future business, operations and financial condition, and could cause such future business, operations and financial condition to differ materially from the forward-looking statements and information contained in this MD&A and as described in the Cautionary Statement on Forward-Looking Information found in this document. The Company is subject to various risks, known and unknown, arising from factors within or outside of its control. This section describes certain risks and uncertainties that may have an adverse effect on the Company's business, operations and financial results.

The business of the Company involves significant risk due to the nature of mining, exploration and development activities. Certain risk factors, including but not limited to those listed below, are related to the mining industry in general while others are specific to Jaguar. For a comprehensive discussion of the risks and uncertainties that may have an adverse effect on the Company's business, operations and financial results, refer to the Company's latest AIF, filed with Canadian securities regulatory authorities at www.sedar.com.

I. Risks Relating to the Gold Industry

Gold prices are volatile and there can be no assurance that a profitable market for gold will exist.

Gold prices are volatile and subject to changes resulting from a variety of factors including international economic and political trends, expectations of inflation, global and regional supply and demand and consumption patterns, stock levels maintained by producers and others, currency exchange fluctuations, inflation rates, interest rates, hedging activities and increased production due to improved mining and production methods. While the price of gold has recently been strong, there can be no assurance that gold prices will remain at such levels or be such that Jaguar's properties can be mined at a profit.

Mining is inherently risky and subject to conditions and events beyond Jaguar's control.

Mining involves various types of risks and hazards, including:

- environmental hazards;
- unusual or unexpected geological operating conditions, such as rock bursts, structural cave-ins or slides;
- flooding, earthquakes and fires;
- labour disruptions;
- industrial accidents;
- unexpected mining dilution such as occurred at Turmalina in 2010;
- metallurgical and other processing problems; and
- metal losses and periodic interruptions due to inclement or hazardous weather conditions.

These risks could result in damage to, or destruction of, mineral properties, production facilities or other properties, personal injury or death, environmental damage, delays in mining, increased production costs, monetary losses and possible legal liability.

Jaguar may not be able to obtain insurance to cover these risks at affordable premiums or at all. Insurance against certain environmental risks, including potential liability for pollution or other hazards as a result of the disposal of waste products occurring from production, is not generally available to Jaguar or to other companies within the mining industry. Jaguar may suffer a materially adverse effect on its business if it incurs losses related to any significant events that are not covered by its insurance policies.

Calculation of Mineral Reserves and Mineral Resources and metal recovery is only an estimate, and there can be no assurance about the quantity and grade of minerals until mineral resources are actually mined.

The calculation of mineral reserves, mineral resources and corresponding grades being mined or dedicated to future production are imprecise and depend on geological interpretation and statistical inferences or assumptions drawn from drilling and sampling analysis, which might prove to be unpredictable. Mineral Resources that are not Mineral Reserves do not have demonstrated economic viability. Until mineral reserves or mineral resources are actually mined and processed, the quantity of mineral reserves or mineral resources and grades must be considered as estimates only. Any material change in mineral reserves, mineral resources, grade or stripping ratio at Jaguar's properties may affect the economic viability of Jaguar's properties. In addition, there can be no assurance that metal recoveries in small-scale laboratory tests will be duplicated in larger scale tests under on-site conditions or during production.

II. Risks Relating to Jaguar's Business

Jaguar's operations involve exploration and development and there is no guarantee that any such activity will result in commercial production of mineral deposits.

The proposed programs on the exploration properties in which Jaguar holds an interest are exploratory in nature and such properties do not host known bodies of commercial ore. Development of these mineral properties is contingent upon, among other things, obtaining satisfactory exploration results. Mineral exploration and development involves substantial expenses related to locating and establishing mineral reserves, developing metallurgical processes and constructing mining and processing facilities at a particular site. It also involves a high degree of risk, which even a combination of experience, knowledge and careful evaluation may not be able to adequately mitigate. Few properties that are explored are ultimately developed into producing mines, and there is no assurance that commercial quantities of ore will be discovered on any of Jaguar's exploration properties. There is also no assurance that, even if commercial quantities of ore are discovered, a mineral property will be brought into commercial production, or if brought into production, that it will be profitable. The discovery of mineral deposits is dependent upon a number of factors including the technical skill of the exploration personnel involved. The commercial viability of a mineral deposit is also dependent upon, among a number of other factors, its size, grade and proximity to infrastructure, current metal prices, and government regulations, including regulations relating to required permits, royalties, allowable production, importing and exporting of minerals and environmental protection. The exact effect of these factors cannot be accurately predicted, but any one of these factors or the combination of any of these factors may prevent Jaguar from receiving an adequate return on invested capital. In addition, depending on the type of mining operation involved, several years can elapse from the initial phase of drilling until commercial operations are commenced. Some ore reserves may become unprofitable to develop if there are unfavourable long-term market price fluctuations in gold, or if there are significant increases in operating or capital costs. Most of the above factors are beyond Jaguar's control, and it is difficult to ensure that the exploration or development programs proposed by Jaguar will result in a profitable commercial mining operation.

Jaguar may be negatively affected by an outbreak of infectious disease or pandemic

Jaguar may be negatively affected by an outbreak of infectious disease or pandemic. An outbreak of infectious disease, pandemic or a similar public health threat, such as the COVID-19 outbreak, and the response thereto, could adversely impact the Company, both operationally and financially. The global response to the COVID-19 outbreak has resulted in, among other things, border closures, severe travel restrictions and extreme fluctuations in financial and commodity markets. Additional measures may be implemented by one or more governments around the world in jurisdictions where the Company operates. Labour shortages due to illness, Company or government-imposed isolation programs, or restrictions on the movement of personnel or possible supply chain disruptions could result in a reduction or interruption of the Company's operations, including mine shutdowns or suspensions. The inability to transport or refine and process the Company's products could have a material adverse effect on the Company's future cash flows, earnings, results of operations and financial condition. While the Company's operations have not been materially impacted to date, there can be no assurance that Jaguar will remain unaffected by the current COVID-19 crisis or potential future health crises. The actual and threatened spread of COVID-19 globally could adversely affect global economies and financial markets resulting in a prolonged economic downturn and a decline in the value of Jaguar's stock price. The extent to which COVID-19 and any other pandemic or public health crisis impacts our business, affairs, operations, financial condition, liquidity, availability of credit and results of operations will

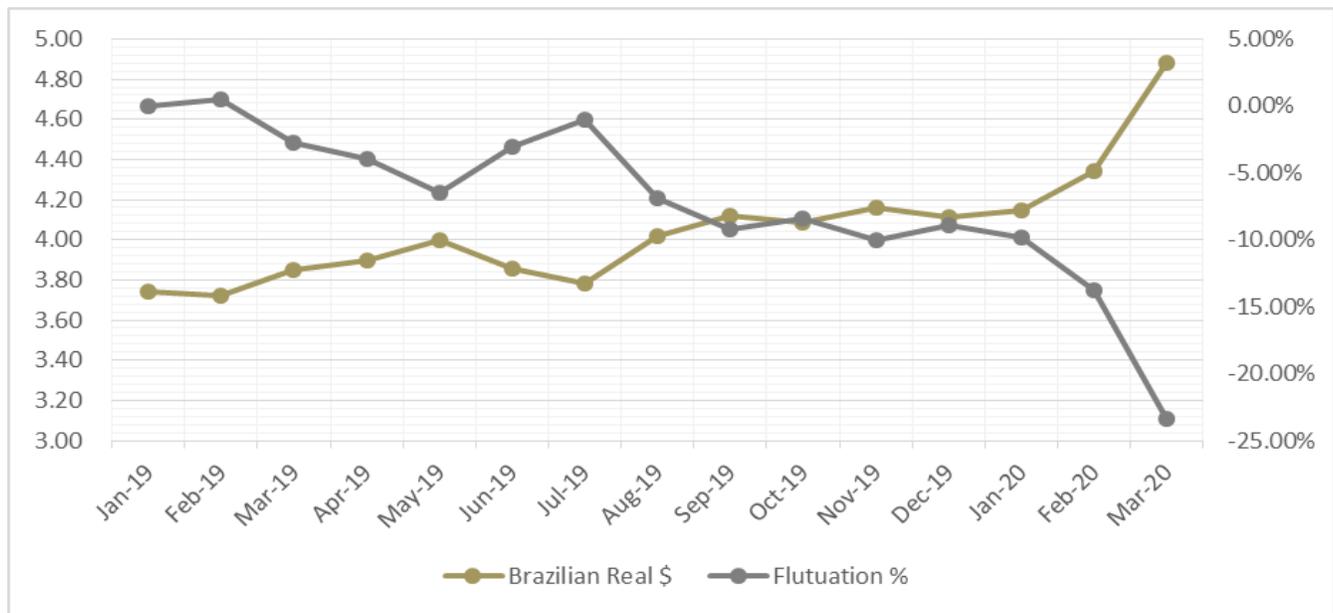
depend on future developments that are highly uncertain and cannot be accurately predicted, including new information which may emerge concerning the severity of and the actions required to contain the COVID-19 or remedy its impact, among others.

Fluctuations in currency exchange rates may adversely affect Jaguar’s financial position and results of operations.

Fluctuations in currency exchange rates, particularly operating costs denominated in currencies other than US dollars, may significantly impact Jaguar’s financial position and results of operations. Jaguar generally sells its gold based on a US dollar price, but a major portion of Jaguar’s operating expenses is incurred in non-US currencies. In addition, the appreciation of the Brazilian Real against the US dollar could further increase the dollar costs of gold production at Jaguar’s mining operations in Brazil, which could materially and adversely affect Jaguar’s earnings and financial condition.

US Dollar - Market Update

The following summarizes the movement in key currencies vis-à-vis the US Dollar (source: Central Bank of Brazil):



During the three months ended March 31, 2020, the Brazilian Real weakened against the US Dollar.

Competition for new mining properties may prevent Jaguar from acquiring interests in additional properties or mining operations.

The gold mining industry is intensely competitive. Significant and increasing competition exists for gold and other mineral acquisition opportunities throughout the world. Some of the competitors are large, more established mining companies with substantial capabilities and greater financial resources, operational experience and technical capabilities than Jaguar. As a result of this competition, Jaguar may be unable to acquire rights to additional attractive mining properties on terms it considers acceptable. Increased competition could adversely affect Jaguar’s ability to attract necessary capital funding or acquire an interest in additional operations that would yield mineral reserves or result in commercial mining operations.

Jaguar is exposed to risks of changing political stability and government regulation in the country in which it operates.

Jaguar holds mineral interests in Brazil that may be affected in varying degrees by political instability, government regulations relating to the mining industry and foreign investment therein, and the policies of other nations in respect of Brazil. Any changes in regulations or shifts in political conditions are beyond Jaguar’s control and may adversely affect its business. Jaguar’s operations may be affected in varying degrees by government regulations, including those with respect to

restrictions on production, price controls, export controls, income taxes, expropriation of property, employment, land use, water use, environmental legislation and mine safety. The regulatory environment is in a state of continuing change, and new laws, regulations and requirements may be retroactive in their effect and implementation. Jaguar's operations may also be adversely affected in varying degrees by political and economic instability, economic or other sanctions imposed by other nations, terrorism, military repression, crime, extreme fluctuations in currency exchange rates and high inflation.

Jaguar is subject to additional business and financial risks inherent in doing business in Brazil.

The Company's principal operations and mineral properties are located in Brazil. There are additional business and financial risks inherent in doing business in Brazil as compared to the United States or Canada. Since 1996, Transparency International has published the Corruption Perceptions Index ("CPI") annually ranking countries by their perceived levels of corruption, as determined by expert assessments and opinion surveys. The CPI ranks countries on a scale from 100 (very clean) to 0 (highly corrupt). In 2019, out of 180 countries in the world, Canada was ranked 12th with a CPI score of 77, the United States was ranked 23rd with a CPI score of 69, and Brazil was ranked 106th with a CPI score of 35. The average score on the 2019 Corruption Perceptions Index was 43 out of 100. Anything below 50 indicates governments are failing to tackle corruption and it represents a challenge in those countries requiring extra attention by those who conduct business there.

Corruption does not only occur with the misuse of public, government or regulatory powers, it also can occur in business's supplies, inputs and procurement functions (such as illicit rebates, kickbacks and dubious vendor relationships) as well as the inventory and product sales functions (such as inventory shrinkage or skimming). Employees as well as external parties (such as suppliers, distributors and contractors) have opportunities to commit procurement fraud, theft, embezzlement and other wrongs against the Company. While corruption, bribery and fraud risks can never be fully eliminated, the Company reviews and implements controls to reduce the likelihood of these irregularities occurring. The Company utilizes an internal auditor, third-party security services and closed-circuit video surveillance at its operations in Brazil.

Jaguar is subject to significant governmental regulations.

Jaguar's mining and exploration activities are subject to extensive local laws and regulations. Failure to comply with applicable laws, regulations and permitting requirements may result in enforcement actions thereunder, including orders issued by regulatory or judicial authorities, who may require operations to cease or be curtailed, or corrective measures requiring capital expenditures, installation of additional equipment, or remedial actions. Parties engaged in mining operations may be required to compensate those suffering loss or damage by reason of the mining activities and may have civil or criminal fines or penalties imposed for violations of applicable laws or regulations.

Amendments to current laws, regulations and permits governing operations and activities of mining companies, or more stringent implementation of such requirements, could have a materially adverse impact on Jaguar and cause increases in capital expenditures or production costs or reductions in levels of production at producing properties or require abandonment or delays in development of new mining properties.

Jaguar is subject to substantial environmental laws and regulations that may increase its costs and restrict its operations.

All phases of Jaguar's operations are subject to environmental regulations in the jurisdictions in which it operates. These laws address emissions into the air, discharges into water, management of waste and hazardous substances, protection of natural resources and reclamation of lands disturbed by mining operations. Environmental legislation is evolving in a manner that will require stricter standards and enforcement, increased fines and penalties for non-compliance, more stringent environmental assessments of proposed projects and a heightened degree of responsibility for companies and their officers, directors and employees. This is especially true following the high-profile Brumadinho dam disaster that occurred on January, 25, 2019, when Dam I—a tailings dam at Vale's Córrego do Feijão iron ore mine, 9 kilometres (5.6 miles) east of Brumadinho, Minas Gerais, Brazil—suffered a catastrophic failure. Compliance with environmental laws and regulations may require significant capital outlays and may cause material changes or delays in, or the cancellation of, Jaguar's intended activities. There can be no assurance that future changes in environmental regulation, if any, will not be materially adverse to Jaguar's operations. Specifically, new laws and regulations, amendments to existing laws and regulations, or more stringent enforcement of existing laws and regulations could have a materially adverse impact on the Company, increase costs, cause a reduction in levels of production and/or delay or prevent the development of new mining properties.

The properties in which Jaguar holds interests may contain environmental hazards, which are presently unknown to it and which have been caused by previous or existing owners or operators of the properties. If Jaguar's properties do contain such hazards, this could lead to Jaguar being unable to use the properties or may cause Jaguar to incur costs to clean up such hazards. In addition, Jaguar could become subject to litigation should such hazards result in injury to any persons. Jaguar currently has four downstream dams, with one downstream dam having a section permitted to be used as upstream; however, that section of the upstream was never utilized by the Company. There is a risk that the regulatory authorities may impose either operating restrictions or additional expenditures to all of the Company's dams, particularly in relation to the upstream section of the downstream dam.

Internal controls provide no absolute assurances as to reliability of financial reporting and financial statement preparation, and ongoing evaluation may identify areas in need of improvement.

The Company has invested resources to document and assess its system of internal control over financial reporting and undertakes an evaluation process of such internal controls. Internal control over financial reporting are procedures designed to provide reasonable assurance that transactions are properly authorized, assets are safeguarded against unauthorized or improper use, and transactions are properly recorded and reported. A control system, no matter how well designed and operated, can provide only reasonable, not absolute, safeguards with respect to the reliability of financial reporting and financial statement preparation.

The Company currently believes that no material weakness exists in regard to its internal controls for financial reporting that result in a reasonable possibility that a material misstatement of the Company's financial statements will not be prevented or detected on a timely basis. However, if the Company fails to maintain the adequacy of its internal control over financial reporting, as either the Company's or applicable regulatory standards are modified, supplemented, or amended from time to time, then the Company may not be able to ensure that it can conclude on an ongoing basis that it has effective internal controls over financial reporting. If in the future the Company is required to disclose a material weakness in its internal controls over financial reporting, then this could result in the loss of investor confidence in the reliability of the Company's financial statements, which in turn could harm the Company's business and negatively impact the trading price of its common shares. In addition, any failure to implement required new or improved controls, or difficulties encountered in their implementation, could harm the Company's operating results or cause it to fail to meet its reporting obligations.

Jaguar may need additional capital to accomplish its exploration and development plans or to cover its expenses and maintain adequate working capital, and there can be no assurance that financing will be available on terms acceptable to Jaguar, or at all.

Depending on gold prices and Jaguar's ability to achieve its plans and generate sufficient operating cash flow from its existing operations, Jaguar may require substantial additional financing to accomplish its exploration and development plans, maintain adequate working capital, or fund any non-operating expenses that may arise or become due such as interest, tax (in Canada or Brazil) or other expenses. Failure to obtain sufficient financing, or financing on terms acceptable to Jaguar, may result in a delay or indefinite postponement of exploration, development or production on any or all of Jaguar's properties or even a loss of an interest in a property, or an inability to pay any of Jaguar's non-operating expenses which could also lead to late fees or penalties, depending on the nature of the expense. The only source of funds now available to Jaguar is through production at Turmalina and Caeté, the sale of debt or equity capital, properties, royalty interests or the entering into of joint ventures or other strategic alliances in which the funding sources could become entitled to an interest in Jaguar's properties or projects. Additional financing may not be available when needed. If funding is available, the terms of such financing might not be favourable to Jaguar and might involve substantial dilution to existing shareholders. If financing involves the issuance of debt, the terms of the agreement governing such debt could impose restrictions on Jaguar's operation of its business. Failure to raise capital when needed could have a materially adverse effect on Jaguar's business, financial condition and results of operations.

Jaguar may be subject to litigation.

All industries, including the mining industry, are subject to legal claims, with and without merit. Generally, the labour claims are due to disputed overtime, danger pay, wage parity, etc. The Company may become involved in legal disputes in the future. Defense and settlement costs can be substantial, even with respect to claims that have no merit. Due to the inherent uncertainty of the litigation process, there can be no assurance that the resolution of any particular legal proceeding will not have a material effect on the Company's financial position or results of operations.

Brazilian labour law is a complex system of statutes and regulations, which in general has a favourable approach to employees of the Company. As such, corporate labour compliance is a key success factor in Brazilian-based operations to minimize the impact of labour claims. The Company has historically not been in full compliance of labour regulations nor did it have the proper procedures in place to support labour claims defences, which led to the bulk of the litigation provisions recorded.

CRITICAL ACCOUNTING ESTIMATES

The preparation of the condensed interim consolidated financial statements in conformity with IFRS requires Management to make estimates, judgments and assumptions that affect the application of accounting policies and the reported amounts of assets and liabilities at the date of the financial statements and the reported amounts of revenue and expenses during the period. Actual results could differ from those estimates. Estimates and underlying assumptions are reviewed on an ongoing basis. Revisions to accounting estimates are recognized in the period in which the estimates are revised and in any future periods affected. Certain estimates, such as those related to the assessment of recoverability of the carrying amount of property, plant, equipment and mineral exploration projects, royalty receivable, valuation of recoverable taxes, deferred tax assets and liabilities, reclamation provisions, derivatives, liabilities associated with certain long-term incentive plans, measurement of inventory, provisions for legal actions and contingencies, and disclosure of contingent assets and liabilities depend on subjective or complex judgments about matters that may be uncertain. Changes in these estimates could materially impact the Company's condensed interim consolidated financial statements.

The critical accounting estimates, judgments, and assumptions applied in the preparation of the Company's condensed interim consolidated financial statements for the three months ended March 31, 2020, are consistent with those applied and disclosed in the audited annual consolidated financial statements for the year ended December 31, 2019. For details of these estimates, judgments, and assumptions, please refer to the Company's audited annual consolidated financial statements for the year ended December 31, 2019, which are available on the Company's website and on SEDAR.

DISCLOSURE CONTROLS AND PROCEDURES AND INTERNAL CONTROLS OVER FINANCIAL REPORTING

Disclosure Controls and Procedures

Disclosure controls and procedures are designed to provide reasonable assurance that material information is gathered and reported to senior management, including the President and Chief Executive Officer ("CEO") and the Chief Financial Officer ("CFO"), as appropriate to permit timely decisions regarding public disclosure.

The Company's Management, including the CEO and CFO, has as at March 31, 2020, designed Disclosure Controls and Procedures (as defined in National Instrument 52-109 of the Canadian Securities Administrators), or caused them to be designed under their supervision, to provide reasonable assurance that material information relating to the issuer is made known to them by others, particularly during the period in which the interim filings are being prepared; and information required to be disclosed by the issuer in its annual filings, interim filings or other reports filed or submitted by it under securities legislation is recorded, processed, summarized and reported within the time periods specified in securities legislation.

Internal Control over Financial Reporting

Internal control over financial reporting is designed to provide reasonable assurance regarding the reliability of the Company's financial reporting and the preparation of consolidated financial statements in compliance with International Financial Reporting Standards as issued by the International Accounting Standards Board. The Company's internal control over financial reporting includes policies and procedures that:

- pertain to the maintenance of records that accurately and fairly reflect the transactions of the Company;
- provide reasonable assurance that transactions are recorded as necessary to permit preparation of consolidated financial statements in accordance with IFRS as issued by the IASB;
- ensure the Company's receipts and expenditures are made only in accordance with authorization of management and the Company's directors; and
- provide reasonable assurance regarding prevention or timely detection of unauthorized transactions that could have a material effect on the consolidated financial statements.

There have been no changes in the Company's internal control over financial reporting during the three months ended March 31, 2020, that have materially affected, or are reasonably likely to affect, the Company's internal control over financial reporting.

Limitations of Controls and Procedures

The Company's Management, including the CEO and CFO, believe that disclosure controls and procedures and internal control over financial reporting, no matter how well conceived and operated, can provide only reasonable, not absolute, assurance that the objectives of the control system are met. Furthermore, the design of a control system must reflect the fact that there are resource constraints, and the benefits of controls must be considered relative to their costs. Because of the inherent limitations in all control systems, they cannot provide absolute assurance that all control issues and instances of fraud, if any, within the Company have been prevented or detected. These inherent limitations include the realities that judgments in decision-making can be faulty, and that breakdowns can occur because of simple error or mistake. Additionally, controls can be circumvented by the individual acts of some persons, by collusion of two or more people, or by unauthorized override of the controls. The design of any control system also is based in part upon certain assumptions about the likelihood of future events, and there can be no assurance that any design will succeed.

CAUTIONARY NOTE REGARDING FORWARD-LOOKING STATEMENTS

Certain statements in this MD&A constitute “forward-looking information” within the meaning of applicable Canadian securities legislation. This forward-looking information includes, but is not limited to, statements concerning the Company’s future objectives, Measured and Indicated Mineral Resources, Proven and Probable Mineral Reserves, their average grade, the commencement period of production, cash operating costs per ounce and completion dates of feasibility studies, gold production and sales targets, capital expenditure costs, future profitability and growth in mineral reserves. Forward-looking information can be identified by the use of words such as “are expected,” “is forecast,” “is targeted,” “approximately,” “plans,” “anticipates,” “projects,” “anticipates,” “continue,” “estimate,” “believe” or variations of such words and phrases or statements that certain actions, events or results “may,” “could,” “would,” “might,” or “will” be taken, occur or be achieved. Forward-looking information involves known and unknown risks, uncertainties and other factors which may cause the actual results or performance to be materially different from any future results or performance expressed or implied by the forward-looking information. These factors include the inherent risks involved in the exploration and development of mineral properties, the uncertainties involved in interpreting drilling results and other geological data, fluctuating gold prices and monetary exchange rates, the possibility of project delays and cost overruns or unanticipated costs and expenses, uncertainties relating to the availability and costs of financing needed in the future, uncertainties related to production rates, timing of production and the cash and total costs of production, changes in applicable laws including laws related to mining development, environmental protection, and the protection of the health and safety of mine workers, the availability of labour and equipment, the possibility of civil insurrection, labour strikes and work stoppages and changes in general economic conditions. Although the Company has attempted to identify important factors that could cause actual actions, events or results to differ materially from those contained in forward-looking information, there may be other factors that could cause actions, events or results to differ from those anticipated, estimated or intended.

This forward-looking information represents the Company’s views as of the date of this MD&A. The Company anticipates that subsequent events and developments may cause the Company’s views to change. The Company does not undertake to update any forward-looking information, either written or oral, that may be made from time to time by, or on behalf of the Company, subsequent to the date of this discussion, other than as required by law. For a discussion of important factors affecting the Company, including fluctuations in the price of gold and exchange rates, uncertainty in the calculation of mineral resources, competition, uncertainty concerning geological conditions and governmental regulations and assumptions underlying the Company’s forward-looking information, see “CAUTIONARY NOTE REGARDING FORWARD LOOKING STATEMENTS” and “RISK FACTORS” in the Company’s Annual Information Form for the year ended December 31, 2019, that can be accessed under the profile of Jaguar Mining Inc. on SEDAR at www.sedar.com. Further information about the Company is available on its corporate website at www.jaguarmining.com.