



**AQUILA  
RESOURCES**

**MANAGEMENT DISCUSSION & ANALYSIS**

**FOR THE THREE AND NINE MONTHS ENDED SEPTEMBER 30, 2018**

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**AQUILA RESOURCES INC.**  
**MANAGEMENT DISCUSSION AND ANALYSIS**  
**FOR THE THREE AND NINE MONTHS ENDED SEPTEMBER 30, 2018**

**FORWARD-LOOKING STATEMENT**

This MD&A contains certain forward looking statements, such as statements regarding potential mineralization, resources and exploration results and future plans and objectives of the Company, which are subject to various risks and uncertainties. There can be no assurance that such statements will prove to be accurate, and actual results and future events could differ materially from those anticipated in such statements. Readers are cautioned not to place undue reliance on these forward-looking statements. Forward-looking statements contained are made as of the date of this MD&A and the Company disclaims, other than as required by law, any obligation to update any forward-looking statements whether as a result of new information, results, future events, circumstances, or if management's estimates or opinions should change, or otherwise.

**GENERAL**

The following management discussion and analysis ("**MD&A**") of financial results is dated November 8, 2018 and reviews the business of Aquila Resources Inc. (the "**Company**" or "**Aquila**") for the three and nine months ended September 30, 2018, and should be read in conjunction with the condensed interim consolidated financial statements and related notes for the three and nine months ended September 30, 2018. This MD&A and the accompanying condensed interim consolidated financial statements and related notes for the nine months ended September 30, 2018 have been reviewed by the Company's Audit Committee and approved by the Company's Board of Directors.

The content of this MD&A has been read and approved by Andrew Boushy, Senior Vice President, Projects. Mr. Boushy is a Qualified Person as defined by National Instrument 43-101 – Standards of Disclosure for Mineral Projects ("**NI 43-101**").

This MD&A contains references to both United States dollars and Canadian dollars. All dollar amounts referenced, unless otherwise indicated, are expressed in United States dollars, and Canadian dollars are referred to as "**C\$**".

Mineral resources that are not mineral reserves do not have demonstrated economic viability. The estimate of mineral resources may be materially affected by environmental, permitting, legal, title, taxation, sociopolitical, marketing, or other relevant issues. The quantity and grade of reported inferred resources in this estimation are uncertain in nature and there has been insufficient exploration to define these inferred resources as an indicated or measured mineral resource and it is uncertain if further exploration will result in upgrading them to an indicated or measured mineral resource category. The inclusion of inferred mineral resources are considered too speculative geologically to have the economic considerations applied to enable them to be categorized as mineral reserves. The mineral resources in this M&DA were reported using Canadian Institute of Mining, Metallurgy and Petroleum ("**CIM**") Standards.



Additional information regarding the Company, including the risks related to our business and those that are reasonably likely to affect our financial statements in the future, is contained in our continuous disclosure materials, including our most recent Annual Information Form (“AIF”), audited consolidated financial statements and Management Information Circular available on SEDAR at [www.sedar.com](http://www.sedar.com).

### THIRD QUARTER HIGHLIGHTS

- On August 1, 2018, the Company announced the results of an independent open pit only Feasibility Study (the “**Feasibility Study**”) for its Back Forty Project. The Feasibility Study demonstrated robust economics including a pre-tax NPV at a 6% discount rate of \$259M and an IRR of 32.0% at base case metal prices of \$1,300/oz gold, \$1.20/lb zinc, \$20/oz silver, \$3.00/lb copper and \$1.00/lb lead. On an after-tax basis, the Project generates an after-tax NPV at a 6% discount rate of \$208M and an IRR of 28.2% with a 2.2 year payback. The Company has also identified a number of opportunities to further enhance the overall economics of the Project including the future addition of an underground expansion.
- The Company finalized its Project Execution Plan which will further define the design and construction strategy including contracting philosophy, plans for basic and detailed engineering and any required permit amendments, as well as plans for building the owner’s team in preparation for the construction and operational readiness phases of the Back Forty Project.
- As at September 30, 2018, Aquila had cash of \$10.5 million and working capital of \$8.0 million. This compared to cash of \$17.2 million and working capital of \$15.5 million at December 31, 2017. The decrease in working capital is primarily due to the funding of the Company’s permitting activities and finalization of the Feasibility Study.

### POST QUARTER HIGHLIGHTS

- On October 5, 2018, the Company received a payment of US\$7.4 million from an affiliate of Osisko Gold Royalties Ltd (“**Osisko**”) under the gold streaming agreement entered into on November 8, 2017 (the “**Streaming Agreement**”). This payment represents the second deposit of the total advance payment of US\$55 million to be made by Osisko under the Streaming Agreement. The payment, which was made net of a US\$100,000 capital commitment fee, followed the receipt by Aquila of all material permits required for the development and operation of its Back Forty Project in Michigan and the completion of the Back Forty Project Feasibility Study.
- On November 2, 2018, the Company submitted final amendments to its Mining Permit to the Michigan Department of Environmental Quality (the “**MDEQ**”) to align the permit with the project design outlined in the Feasibility Study as well as in the Wetlands Permit.

### OUTLOOK

- During the balance of 2018 and into 2019, the Company will continue discussions with prospective financial partners to secure the required capital to build the Back Forty Project. Aquila, with the assistance from its advisors, will consider all strategic and financial options available to the Company and the Project.
- Pre-construction activities including project set-up and basic engineering will continue to advance at the Back Forty Project.
- The Company will continue to evaluate an underground mine expansion design and business case. A Preliminary Economic Assessment is expected to be published in a future period.



- In addition to recently filled positions, the Company will continue to add to its leadership team to prepare for the construction and operational readiness phases of the Back Forty Project.
- The Company is also evaluating its strategy with respect to its early stage exploration projects in Wisconsin in light of the recent repeal of the decades-old moratorium on non-ferrous mining in the state.
- With its current cash resources and an additional \$40M in staged payments that remain available to the Company under its gold Streaming Agreement with Osisko, Aquila is well-financed to complete its planned pre-construction activities.

## COMPANY OVERVIEW AND GOING CONCERN

Aquila Resources Inc. was incorporated in the Province of Ontario as 1223068 Ontario Limited by Articles of Incorporation dated February 17, 1997. The Company is listed on the Toronto Stock Exchange under the symbol "AQA". Substantially all of the efforts of the Company are devoted to the business activities of exploring for and developing mineral properties.

The principal asset of the Company is its 100% interest in the Back Forty Project located in Menominee County, Michigan. The Back Forty Project is a polymetallic (zinc, gold, copper, silver, lead) Volcanogenic Massive Sulphide ("VMS") deposit.

The Company has three other exploration projects: Reef Gold Project located in Marathon County Wisconsin, Aquila Nickel located in the Upper Peninsula, Michigan and the Bend Project located in Taylor County, Wisconsin. Reef is a gold-copper property and Bend is a volcanogenic massive sulfide occurrence containing copper and gold.

The Company is subject to the risks and challenges experienced by other companies at a comparable stage. These risks include, but are not limited to, continuing losses, dependence on key individuals and the ability to secure adequate financing or to complete corporate transactions to meet the minimum capital required to successfully complete its projects and fund other operating expenses. Advancing the Company's projects through exploration and development to the production stage will require significant capital. Given the current economic climate, the ability to raise funds may prove difficult. Refer to the "Liquidity" and "Capital Resources" sections below, and "Risk Factors" in the Company's AIF for additional information.

None of the Company's projects have commenced commercial production and, accordingly, the Company is dependent upon debt and/or equity financings and the optioning and/or sale of resources or resource-related assets for its funding. The recoverability of the carrying value of exploration and evaluation projects, and ultimately the Company's ability to continue as a going concern, is dependent upon exploration results which indicate the potential for the discovery of economically recoverable reserves and resources, and the Company's ability to finance development and exploration of its projects through debt or equity financings and the optioning and/or sale of resource or resource-related assets such as royalty interests for its funding.

These conditions indicate the existence of material uncertainties that may cast significant doubt about the Company's ability to continue as a going concern. Changes in future conditions could require a material write-down of carrying values and meet its obligations as they fall due.

## OVERVIEW OF ACTIVE PROJECTS

### Back Forty Project

The Back Forty Project is a development stage VMS deposit containing zinc, gold, copper, lead, and silver, located in the Upper Peninsula of Michigan, USA and is the primary mineral property interest of the Company. The Back Forty Project is a high-grade, polymetallic project, which contains approximately 1.1 billion pounds of zinc and 1 million ounces of gold in the Measured & Indicated Mineral Resource categories, with additional upside potential. The Back Forty Project is directly owned by the Back Forty Joint Venture LLC (“**BFJV**”) which controls approximately 3,222 gross acres of surface and mineral rights which are owned or held under lease or option by BFJV. Some lands are subject to net smelter royalties varying from 1% to 3.5%, with certain lands subject to a 2% to 7% royalty, which includes state royalties, which under state law can be renegotiated.

#### Feasibility Study

On August 1, 2018, the Company announced the results of an independent open pit only Feasibility Study for the Back Forty Project. The Feasibility Study was compiled by Lycopodium Minerals Canada Ltd (“Lycopodium”) with support from globally recognized experts and specialist consulting engineering companies in environmentally critical areas such as waste water treatment, tailings and waste rock management and mine design.

A summary of key Back Forty Project metrics is outlined in the table below. The Base Case metal price deck is: \$1,300/oz gold, \$1.20/lb zinc, \$20/oz silver, \$3.00/lb copper and \$1.00/lb lead.

**Summary Economic Analysis – Base Case Metal Prices**

Item	Description	Total
Project Life	Years	7
Ore	Mt	11.7
Strip Ratio	waste : ore	4.3
Grade	Gold equivalent	4.3 g/t
Grade	Zinc equivalent	6.7%
Total Recovery & Payability	% of con'd ZnEq	69.1%
Payable Zinc	MIbs	512
Payable Gold	koz	468
Payable Zinc Equivalent	MIbs	1,197
Payable Gold Equivalent	koz	1,105
Sulphide plant throughput	Tonnes per day	4,000
Oxide plant throughput	Tonnes per day	800
Gross Revenue	\$/t ore	123
NSR (Base Case)	\$/t ore	108
Total Site Opex	\$/t total ore	32
Royalties	\$/t total ore	1
EBITDA	\$/t total ore	75
EBITDA margin	EBITDA / NSR	69.6%
Gross C1 Cash Costs	\$/oz AuEq	499
Net C1 Cash Costs	\$/oz Gold	(590)

Item	Description	Total
Net C1 Cash Costs	\$/lb Zinc	(1.73)
Initial Capital	\$M	294
Total Investment (including Closure)	\$M	480
Gross AISCs	\$/oz AuEq	677
Net AISCs	\$/oz Gold	(171)
Net AISCs	\$/lb Zinc	(1.34)
Annual After-Tax Operating Cash Flow	\$M pa	62
After-Tax NPV at a 0% discount rate	\$M	316
After-Tax NPV at a 6% discount rate	\$M	208
After-Tax IRR		28.2%
After-Tax Payback	Years	2.2
Pre-Tax NPV at a 6% discount rate	\$M	259
Pre-Tax IRR		32.0%

1. *None of EBITDA, C1 cash costs or all-in sustaining costs (“AISC”) have a standardized meaning under IFRS. See “Non-GAAP Financial Measures”.*
2. *Gold and zinc equivalencies were determined using total contained and payable metals and the respective ratio of Base Case metals prices.*
3. *Evaluation includes financial impacts of the Company’s silver stream with Osisko but does not include the financial impact of its gold stream with OGR for which the majority of the upfront payments have yet to be received and for which there is uncertainty regarding the exact timing of these payments.*

Mineral Resource Estimate

The Mineral Resource Estimate is set out below and was prepared by P&E Mining Consultants Inc. (“P&E”)

**Back Forty Mineral Resource Estimate as at February 6, 2018**

Area	Metallurgy Type	Class	NSR	Tonnes	Gold	Gold	Silver	Silver	Zinc	Zinc	Copper	Copper	Lead	Lead
			\$/tonne											
Pit Constr- ained	Floatable	Meas	21	6,797	1.75	381	18.4	4,027	3.45	516.5	0.38	56.4	0.16	23.4
		Ind	21	3,768	1.58	191	25.2	3,056	3.15	261.7	0.24	19.9	0.39	32.8
		<b>M &amp; I</b>	<b>21</b>	<b>10,565</b>	<b>1.68</b>	<b>572</b>	<b>20.9</b>	<b>7,083</b>	<b>3.34</b>	<b>778.2</b>	<b>0.33</b>	<b>76.3</b>	<b>0.24</b>	<b>56.2</b>
		Inf	21	71	1.01	2	30.7	70	2.98	4.7	0.14	0.2	0.37	0.6
	Leachable	Meas	22	553	5.61	100	34.8	618	0.19	2.4	0.05	0.6	0.13	1.5
		Ind	22	1,777	2.15	123	39.6	2,263	0.41	16.1	0.03	1.3	0.29	11.5
		<b>M &amp; I</b>	<b>22</b>	<b>2,330</b>	<b>2.97</b>	<b>223</b>	<b>38.5</b>	<b>2,881</b>	<b>0.36</b>	<b>18.5</b>	<b>0.04</b>	<b>1.9</b>	<b>0.25</b>	<b>13.0</b>
		Inf	22	378	3.62	44	40.1	487	0.38	3.2	0.06	0.5	0.52	4.3
	Total	Meas	21+22	7,350	2.04	481	19.7	4,645	3.20	518.8	0.35	57.0	0.15	24.9
		Ind	21+22	5,545	1.76	314	29.8	5,319	2.27	277.8	0.17	21.2	0.36	44.3
		<b>M &amp; I</b>	<b>21+22</b>	<b>12,895</b>	<b>1.92</b>	<b>795</b>	<b>24.0</b>	<b>9,964</b>	<b>2.80</b>	<b>796.6</b>	<b>0.28</b>	<b>78.2</b>	<b>0.24</b>	<b>69.2</b>
		Inf	21+22	448	3.21	46	38.6	557	0.79	7.9	0.07	0.7	0.49	4.9
Out of Pit	Floatable	Meas	70	556	1.79	32	26.8	480	5.32	65.2	0.33	4.0	0.41	5.0
		Ind	70	3,059	1.84	180	26.2	2,577	4.23	285.4	0.51	34.3	0.30	20.3
		<b>M &amp; I</b>	<b>70</b>	<b>3,615</b>	<b>1.83</b>	<b>213</b>	<b>26.3</b>	<b>3,057</b>	<b>4.40</b>	<b>350.7</b>	<b>0.48</b>	<b>38.4</b>	<b>0.32</b>	<b>25.3</b>
		Inf	70	544	2.96	52	37.5	656	1.38	16.6	0.62	7.5	0.39	4.6
	Leachable	Meas	70	37	7.38	9	74.3	89	0.31	0.3	0.12	0.1	0.11	0.1
		Ind	70	77	3.85	9	47.3	117	0.32	0.5	0.15	0.2	0.13	0.2
		<b>M &amp; I</b>	<b>70</b>	<b>114</b>	<b>5.01</b>	<b>18</b>	<b>56.1</b>	<b>206</b>	<b>0.32</b>	<b>0.8</b>	<b>0.14</b>	<b>0.3</b>	<b>0.13</b>	<b>0.3</b>
		Inf	70	137	5.93	26	81.0	356	0.42	1.3	0.16	0.5	0.49	1.5
	Total	Meas	70	593	2.14	41	29.8	569	5.01	65.5	0.32	4.1	0.39	5.1
		Ind	70	3,135	1.88	190	26.7	2,694	4.14	286.0	0.50	34.6	0.30	20.5
		<b>M &amp; I</b>	<b>70</b>	<b>3,729</b>	<b>1.93</b>	<b>231</b>	<b>27.2</b>	<b>3,262</b>	<b>4.28</b>	<b>351.5</b>	<b>0.47</b>	<b>38.7</b>	<b>0.31</b>	<b>25.7</b>
		Inf	70	680	3.56	78	46.2	1,011	1.19	17.8	0.53	8.0	0.41	6.1
Total	Floatable	Meas	21+70	7,353	1.75	414	19.1	4,507	3.59	581.7	0.37	60.5	0.18	28.4
		Ind	21+70	6,827	1.69	371	25.7	5,633	3.64	547.1	0.36	54.2	0.35	53.1
		<b>M &amp; I</b>	<b>21+70</b>	<b>14,180</b>	<b>1.72</b>	<b>785</b>	<b>22.2</b>	<b>10,140</b>	<b>3.61</b>	<b>1,128.8</b>	<b>0.37</b>	<b>114.7</b>	<b>0.26</b>	<b>81.5</b>
		Inf	21+70	615	2.74	54	36.7	726	1.57	21.2	0.57	7.7	0.38	5.2
	Leachable	Meas	22+70	590	5.72	109	37.3	707	0.20	2.6	0.05	0.7	0.12	1.6
		Ind	22+70	1,854	2.22	132	39.9	2,380	0.41	16.7	0.04	1.6	0.29	11.7
		<b>M &amp; I</b>	<b>22+70</b>	<b>2,444</b>	<b>3.07</b>	<b>241</b>	<b>39.3</b>	<b>3,087</b>	<b>0.36</b>	<b>19.3</b>	<b>0.04</b>	<b>2.2</b>	<b>0.25</b>	<b>13.4</b>
		Inf	22+70	514	4.24	70	51.0	842	0.39	4.5	0.09	1.0	0.51	5.8
	Total	Meas	21+22+ 70	7,943	2.04	522	20.4	5,214	3.34	584.3	0.35	61.2	0.17	30.0
		Ind	21+22+ 70	8,680	1.80	504	28.7	8,013	2.95	563.8	0.29	55.8	0.34	64.9
		<b>M &amp; I</b>	<b>21+22+ 70</b>	<b>16,623</b>	<b>1.92</b>	<b>1,026</b>	<b>24.7</b>	<b>13,227</b>	<b>3.13</b>	<b>1,148.1</b>	<b>0.32</b>	<b>116.9</b>	<b>0.26</b>	<b>94.9</b>
		Inf	21+22+ 70	1,129	3.42	124	43.2	1,568	1.03	25.7	0.35	8.7	0.44	11.0

1. Mineral Resources which are not Mineral Reserves do not have demonstrated economic viability.



2. *The Inferred Mineral Resource in this estimate has a lower level of confidence than that applied to an Indicated Mineral Resource and must not be converted to a Mineral Reserve. It is reasonably expected that the majority of the Inferred Mineral Resource could be upgraded to an Indicated Mineral Resource with continued exploration.*
3. *The Mineral Resource was estimated using CIM guidelines and include the Mineral Reserve.*
4. *Metallurgical type Oxide (all gold domains and leachable Gossans) is leachable, while all other metallurgical types are floatable.*
5. *The Mineral Resource Estimate was based on metal prices of \$1,375/oz gold, \$22.27/oz silver, \$1.10/lb zinc, \$3.19/lb copper and \$1.15/lb lead.*

The 2018 Mineral Resource Estimate was based on information and data supplied by Aquila, and was undertaken by Yungang Wu, P.Geol. and Eugene Puritch, P.Eng., FEC, CET of P&E Mining Consultants Inc. of Brampton, Ontario, both independent Qualified Persons as defined by National Instrument 43-101. The 2018 Mineral Resource Estimate is documented in a Technical Report prepared by P&E which was filed on SEDAR March 26, 2018.

#### Mineral Reserve Estimate

The Proven and Probable Mineral Reserve Estimate for the Project is summarised in the table below. Approximately 70% of the Mineral Reserve Estimate is in the Proven category. Only Measured and Indicated Mineral Resources are included in the open pit Mineral Reserve Estimate. The Mineral Reserve Estimate was prepared by P&E.

**Back Forty Mineral Reserve Estimate as at February 6, 2018**

	<b>Ore Mt</b>	<b>NSR \$/t</b>	<b>Gold g/t</b>	<b>Silver g/t</b>	<b>Zinc %</b>	<b>Lead %</b>	<b>Copper %</b>
Proven	8.12	\$120	1.95	18.4	3.02	0.13	0.35
Probable	3.53	\$85	1.63	29.3	1.76	0.41	0.10
Proven + Probable	11.65	\$109	1.85	21.7	2.64	0.21	0.28

1. *CIM definitions were followed for the Mineral Reserve Estimate.*
2. *The Mineral Reserve Estimate used average long term metal prices of \$1,250/oz gold; \$20.00/oz silver; \$1.15/lb zinc; \$1.00/lb lead; and \$3.00/lb copper.*
3. *A Mineral Reserve is defined within a mine plan, with pit phase designs guided by Lerchs–Grossmann (LG) pit shells, after dilution and mining loss adjustments.*
4. *The Mineral Reserve Estimate is derived from Measured and Indicated Mineral Resources only.*
5. *Metallurgical recovery used was a variable function of the rock type and metal grade.*
6. *The Mineral Reserve Estimate for the Project will be comprised of eight different ore types that will be processed either through a flotation concentrator or cyanide leach plant. NSR cut-off values applied are: Ore 1 - \$16.50/t, Ore 2,3,4,7,8 - \$16.00/t, Ore 5 - \$17.50/t, and Ore 6 - \$28.50/t.*
7. *The life-of-mine strip ratio is 4.3:1 including the pre-construction period.*

### Metal Production

Metal production figures are summarized in the table below.

Metal	Life of Project Production	Average Annual Production
Gold (K oz)	468	67
Zinc (K lbs)	512,198	73,171
Copper (K lbs)	51,109	7,301
Silver (K oz)	4,458	637
Lead (K lbs)	24,183	3,455

A summary of the life of project revenue by metal, revenue by product, and recovery by metal are included in the tables below.

Revenue by Metal	
Metal	% of Revenue
Gold	41%
Zinc	41%
Copper	10%
Silver	6%
Lead	2%
<b>Total</b>	<b>100%</b>

Revenue by Product	
Product	% of Revenue
Zinc Concentrate	45%
Copper Concentrate	31%
Doré	16%
Lead Concentrate	8%
<b>Total</b>	<b>100%</b>

Metal Recovery by Product		
Metal	Concentrates	Doré
Gold	64.5%	91.6%
Zinc	91.7%	
Copper	80.6%	
Silver	64.1%	68.6%
Lead	81.5%	

### Underground Expansion

The Feasibility Study Mineral Reserve Estimate does not consider any out of pit Mineral Resource. The Company believes there is an opportunity to develop the out of pit Mineral Resource, which currently stands at 3.7M tonnes (Measured + Indicated), but additional studies will be required to demonstrate the economic viability of an underground expansion. An underground expansion would also defer mine closure costs which currently commence in Year 8 at a nominal cost of \$74.7M. The Company's existing permits are for an open pit mine only and amendments and additional environmental studies would be required to allow underground mining. A Preliminary Economic Assessment study is expected to be published in a future period.

### Technical Report

The Company filed the Feasibility Study Technical Report on SEDAR in accordance with NI 43-101 on September 7, 2018. Readers are cautioned that the conclusions, projections and estimates set out in this MD&A are subject to important qualifications, assumptions and exclusions, all of which are detailed in the Feasibility Study and Technical Report. To fully understand the summary information set out in this MD&A, the Technical Report to be filed on SEDAR should be read in its entirety.

### Exploration Activities

In July 2018, the Company initiated an exploration drilling program at Back Forty seeking to expand the known resource, test additional targets, and further define the underground potential of the deposit,

where mineralization remains open at depth. Shortly after commencing the program, Aquila ceased drilling activities due to performance issues with the contractors. The Company has initiated a resource development process to facilitate and expedite the cost-effective prioritization of drill ready targets based on probability of success. The process includes migration of all geologic and geotechnical data to a cloud-based data management system and refinement of the 3D geologic model.

In 2017, drilling targeted the Pinwheel, Deep Zone, and Main Zone massive sulfide outside of the proposed open pit with a combination of infill, step out, and geotechnical drilling.

Highlights from the 2017 drilling campaign include:

#### *2016 Zone Extensions*

LK-17-529 intersected a zinc-rich massive sulphide interval that extends the 2016 Zone 30 meters east.

LK-17-534, LK-17-535 and LK-17-536 were drilled in a vertical fan designed to test the extension of the 2016 Zone along strike to the southwest. The fan intersected multiple mineralized intervals more than 20 meters, but may be offset vertically downward.

LK-17-537 tested an additional southwest extension of the 2016 zone. Zinc-rich massive sulphide and tuffaceous sediments were intersected more than 50 meters southwest of the original 2016 Zone mineralization.

- 0.50 grams/tonne (g/t) gold, 12.94 g/t silver, 0.09% copper, 6.49 % zinc over 2.46 meters\* in LK-17-529
- 1.36 g/t gold, 36.65 g/t silver, 0.08% copper, 6.34% zinc over 11.06 meters\*in LK-17-534
- 1.65 g/t gold, 28.82 g/t silver, 6.09% zinc over 8.38 meters\* in LK-17-535
- 0.61 g/t gold, 3.00 g/t silver, 4.82% zinc over 1.28 meters\* and
- 0.57 g/t gold, 5.47 g/t silver, 3.19% zinc over 4.53 meters\* in LK-17-536
- 0.98 g/t gold, 13.27 g/t silver, 0.11% copper, 5.48% zinc over 15.97 meters\* and
- 1.23 g/t gold, 11.87 g/t silver, 6.37% zinc over 18.09 meters in LK-17-537

\*Interval is drilled thickness and does not represent true thickness.

#### *Pinwheel Zone Massive Sulphide Infill and Extension*

Drill holes LK-17-521, LK-17-522, LK-17-523, LK-524, LK-17-525, GT-08, GT-09, GT-10, and GT-11 were designed to test the extension of the Pinwheel Zone massive sulfide to the west and southwest of the proposed open pit. The drilling was designed to infill and step out along the extension of the Pinwheel Zone (LK holes) as well as to assess the rock quality and stability of both the mineralized zones and host rocks (GT holes).

GT-12 was a geotechnical hole drilled southwest of the proposed open pit and was directed at rock quality assessment for potential underground development associated with the Main Zone massive sulfide and related stringer mineralization located approximately 200 meters below the open pit.

- 1.3 grams/tonne (g/t) gold, 13 g/t silver, 0.66% copper, 9.9 % zinc over 4.99 meters\* in GT-09



- 0.74 g/t gold, 9.3% zinc over 9 meters\* and 1.6 g/t gold, 32 g/t silver, 1.6% copper over 20.9 meters\* in GT-10
- 3.6 g/t gold, 35 g/t silver, 10.07% zinc over 7.69 meters\* and 0.96 g/t gold, 29 g/t silver, 0.33% copper, and 20% zinc over 11.4 meters\* in GT-11
- 1.176 g/t gold, 5.19% zinc over 42.07 meters\* and 11.65 g/t gold, 50 g/t silver over 21.4 meters\* in GT-12
- 1.33 g/t gold, 15 g/t silver, 0.99% copper over 45 meters\* in LK-17-523

\*Interval is drilled thickness and does not represent true thickness.

### Permitting Activities

The Company first submitted its permit applications for the Back Forty Project with the M DEQ in November 2015. The Company has continued to use the services of Foth Infrastructure and Environment LLC out of Green Bay, WI. Consistent with Michigan's permitting process, Aquila's application requests specific permits including a Michigan Nonferrous Metallic Mineral Mining Permit ("**Mining Permit**"), a National Pollutant Discharge Elimination System Permit ("**NPDES Permit**"), a wetland/stream/floodplain permit ("**Wetlands Permit**") and a Michigan Air Use Permit to Install ("**Air Permit**"). The Company has been granted all four permits and therefore has all State and Federal permissions required for the construction and commencement of operations at the Back Forty Project.

On September 2, 2016, the MDEQ provided public notice on its proposed decision to issue a draft Mining Permit to Aquila for its Back Forty Project. In addition to the proposed Mining Permit, Aquila also received draft NPDES and Air Permits. A final consolidated public hearing was held on October 6, 2016 for these three permits and the public comment period expired on November 3, 2016. The final Mining Permit and Air Permit were issued by the MDEQ on December 29, 2016. The Company was issued the final NPDES Permit on April 5, 2017.

The final required permit to operate and build the Back Forty Project is the Wetlands Permit covered under Part 303 of the Natural Resources and Environmental Protection Act ("**NREPA**"). The Company received a detailed "Correction Request" letter from the MDEQ on January 26, 2017 requesting additional information and clarification/corrections in the permit application. On October 2, 2017, the Company re-submitted the Wetlands Permit application addressing the questions in the Correction Request. On December 8, 2017, the MDEQ deemed the Company's Wetland Permit application administratively complete. On January 23, 2018, the MDEQ held a public hearing for the Wetlands Permit. The public comment period concluded on February 2, 2018.

On March 8, 2018, the EPA provided comments to the MDEQ regarding the Wetlands Permit. The EPA had 90 days from December 8, 2017, when the MDEQ deemed the Company's Wetlands Permit application administratively complete, to provide comments. The EPA's opportunity to comment on the application is subject to strict statutory processes, regardless of the significance of the comments. Aquila worked with the EPA to resolve its comments and to provide the requested information. In a letter addressed to the MDEQ dated May 3, 2018, the EPA confirmed that a number of objections identified in the March 8, 2018 letter had been resolved. Further, the EPA believed there was a ready pathway for the resolution of the EPA's remaining objections through MDEQ's inclusion of specific conditions in a final Wetlands Permit.



On June 4, 2018, the Company announced that it received the Wetlands Permit from the MDEQ. The Wetlands Permit was issued inclusive of specific conditions, including those requested by the EPA.

On November 2, 2018, the Company submitted amendments to its Mining Permit to the MDEQ to align the permit with the final project design outlined in the Feasibility Study as well as in the Wetlands Permit.

An administrative contested case hearing adjudicated by an Administrative Law Judge (“ALJ”) regarding the validity of the Part 632 Permit to Mine issued to Aquila for the Back Forty Project by the MDEQ began in April 2018. An individual alleging to own property near the Back Forty Project (the “Individual”) and the Menominee Indian Tribe of Wisconsin have challenged the permit (the “Tribe”). Closing argument briefing is now underway. The ALJ’s decision will stand as the final decision of the MDEQ, unless a party that disagrees with the decision appeals the decision to an internal environmental review board, made of up technical experts from various fields. Aquila does not anticipate the ALJ or the review board will come to a different conclusion on issuing the permit than MDEQ staff. The Tribe, the Individual and a group formed to protect the Menominee River have also initiated a contested case challenge to the Wetlands Permit issued for the Project. A pre-hearing conference on the Wetlands Permit contested case will take place in Q4 of 2018. In addition, the Tribe filed a federal lawsuit in the Eastern District of Wisconsin against the Environmental Protection Agency and the US Army Corps of Engineers, claiming that the federal government should exercise jurisdiction over the wetlands permitting process currently being administered by the State of Michigan and require Aquila to obtain a federal wetlands permit. Both federal agencies rejected this argument when it was presented to them last year, and Aquila anticipates that their position that the State of Michigan is properly exercising its delegated authority to issue a Wetlands Permit will be vindicated by the federal court. To that end, the U.S. Department of Justice has filed a motion for dismissal of the lawsuit, which Aquila has joined. Briefing on the motion is now complete and the parties are waiting on the court’s decision.

#### Exploration Expenses

During the nine months ended September 30, 2018, the Company incurred project exploration expenditures of \$5,341,539 (2017 - \$4,291,283). Acquisition costs incurred on the Back Forty Project for the nine months ended September 30, 2018, were \$68,750 (2017 – \$68,750). Estimated lease, option and property acquisition costs related to the Back Forty Project for 2018 to 2022, for which the Company is materially liable throughout the duration of the agreements, are as follows:

<u>Year</u>	<u>Amount</u>
2018	\$ 17,000
2019	\$ 245,472
2020	\$ 231,556
2021	\$ 241,391
2022	\$ 251,285



## Reef Gold Project

On March 7, 2011 Aquila announced the acquisition of the Reef Gold Project located in Marathon County, Wisconsin. The Reef area was the focus of historic exploration by Xstrata in the 1970's and 1980's. The Reef Gold project hosts a high grade (412,410 tonnes @ 10.6 g/t gold) historical, non-NI 43-101 compliant, resource (1) which is open in all directions and in the view of management has potential for expansion.

The Company entered into a series of agreements with private landholders in Marathon County, Wisconsin for the optioning of surface and mineral rights. The agreements consist of mining leases and exploration agreements with an option to purchase. Currently, there are a total of 643 gross acres under these agreements, which have terms from 2 to 20 years up to 2031. A variable net smelter royalty up to 2% is payable in the event of mineral production on the property.

Since acquiring the Reef Gold Project Aquila has completed 42 diamond drill holes that have confirmed and expanded the presence of gold and copper mineralization within loosely defined zones identified by previous explorers. In addition, Aquila has completed an airborne versatile time domain electromagnetic survey over the Reef Property.

During the nine months ended September 30, 2018, the Company incurred exploration expenditures of \$15,440 (2017 – \$1,350). Acquisition costs incurred on the Reef Gold Project for the nine months ended September 30, 2018, was \$39,500 (2017 - \$45,119). Ongoing lease or option costs related to the Reef Project for 2018 to 2022, which are at the Company's option, are as follows:

Year	Amount
2018	\$ 18,673
2019	\$ 1,180,096
2020	\$ 167,350
2021	\$ -
2022	\$ -

Future exploration of the property is dependent on the availability of funding.

*Note 1: The historical resource estimates for the Reef Gold Project are based on prior data and reports prepared by previous owners of the properties. A qualified person has not done sufficient work to classify the historical estimates as current mineral resources under NI 43-101. The Company is not treating the historical estimates as current mineral resources or mineral reserves. The Company considers that the historical estimates should be considered only as historical references of tonnes and grades. No reliance should be placed on these historical estimates.*

## Bend Project

The Bend Project is located 35 miles southeast of the former producing Flambeau mine and occurs within the Penokean Volcanic Belt. The Penokean Belt is a prolific VMS belt globally and hosts a number of significant deposits, including Aquila's Back Forty Project. The Bend deposit contains a historical, non-NI 43-101 compliant, resource estimate (2) of 2.7 million tonnes grading 2.4% copper, 1.4 g/t gold and 13.7 g/t silver, and remains open down dip and down plunge. In addition, a separate gold zone containing 1.12 million tonnes of 4.7 g/t gold and 0.31% copper was delineated in historic, non-NI 43-101 compliant, technical reports (2) and remains open in all directions. The Company believes the historical results to be relevant.



Since acquiring the project in 2011, the Company completed 5,800 meters of drilling, expanding and further defining base and precious metal mineralization, potentially in support of a NI 43-101 compliant resource estimate.

During the nine months ended September 30, 2018, the Company incurred exploration expenditures of \$20,148 (2017 – \$nil). Future exploration of the property is dependent on the availability of funding.

*Note 2: The historical resource estimates for the Bend Project are based on prior data and reports prepared by previous owners of the properties. A qualified person has not done sufficient work to classify the historical estimates as current mineral resources under NI 43-101. The Company is not treating the historical estimates as current mineral resources or mineral reserves. The Company considers that the historical estimates should be considered only as historical references of tonnes and grades. No reliance should be placed on these historical estimates.*

### **Aquila Nickel Project**

Aquila has conducted nickel exploration activities in three separate areas located north of the Back Forty Project in the Upper Peninsula of Michigan. These areas were deemed prospective targets for mafic and ultramafic intrusive rocks similar to Lundin Mining’s high-grade Eagle nickel-copper mine in the northern part of the Upper Peninsula. Ground and airborne geophysical surveys conducted in these areas identified marginal responses and work on these properties has been suspended.

Another significant geophysical anomaly has been identified in the area and preliminary land acquisition activities are underway.

During the nine months ended September 30, 2018, the Company incurred exploration expenditures of \$nil (2017 – \$11,510). Acquisition costs incurred on the Aquila Nickel Project for the nine months ended September 30, 2018, was \$3,900 (2017 - \$44,500). In December 2017, the Company wrote down \$86,600 of mineral property expenses related to the Aquila Nickel properties with a corresponding expense in the Statement of Net Loss and Comprehensive Loss. The Company decided to curtail its exploration activities during 2017 and the write-down represents the previously capitalized option payments on properties that the Company decided to no longer maintain during 2017. Ongoing lease or option costs related to the Aquila Nickel Project for 2018 to 2022, which are at the Company’s option, are as follows:

<u>Year</u>	<u>Amount</u>
2018	\$ -
2019	\$ 300,000
2020	\$ -
2021	\$ -
2022	\$ -





## RESULTS OF OPERATIONS

The following table provides selected financial information that should be read in conjunction with the financial statements of the Company for the three and nine months ended September 30, 2018:

<i>In US dollars</i>	Three months ended September 30,		Nine Months Ended September 30,	
	2018	2017	2018	2017
Administrative expenses	\$ 1,289,473	\$ 699,781	\$ 3,699,132	\$ 2,319,425
Mineral property exploration expenses	1,935,172	1,209,587	5,377,127	4,304,143
Net finance charges	516,045	871	1,551,572	2,995
Loss from operations	3,740,690	1,910,239	10,627,831	6,626,563
(Gain) loss on foreign exchange	52,813	254,136	(275,623)	454,895
(Gain) loss on change in value of contingent consideration	(50,102)	(556)	412,403	(10,934)
(Gain) loss on change in fair value of warrant liability	(1,298,287)	(997,322)	(1,405,491)	(768,117)
Net and comprehensive loss for the period	2,445,114	1,166,497	9,359,120	6,302,407
Net loss per share - basic and diluted	0.01	0.01	0.03	0.02

### Revenues

None of the Company's properties have advanced to the point where a production decision can be made. As a consequence, the Company has no producing properties and no sales or revenues.

### Administrative expenses

Administrative expenses are incurred in both US and Canadian dollars. The fluctuation of the Canadian dollar relative to the US dollar over the three and nine months ended September 30, 2018, continues to have an impact on the comparability of expenditures on a period over period basis. For the three and nine months ended September 30, 2018, administrative expenses were \$1,827,740 and \$3,697,399, compared to \$699,781 and \$2,319,425 for the same period last year. Significant components and changes in this expense include:

- Salaries and benefits have increased to \$547,247 and \$1,545,343 for the three and nine months ended September 30, 2018, compared to expenditures of \$349,119 and \$1,015,179, in the same period in the prior year primarily due to an increased head count. The Company anticipates that these costs will continue to increase on a period over period basis as work moves forward on the development of the Back Forty Project and the Company expands its team accordingly.
- Share based payments, as explained in Note 10(b) to the condensed interim consolidated financial statements, were \$126,865 and \$631,227 for the three and nine months ended September 30, 2018. This is in comparison to \$98,966 and \$369,173 for the same period last year. Quarterly and period to date fluctuations in share based payments expense are dependent on a number of factors including, but not limited to, number of options, restricted share units ("RSUs") granted or deferred share units ("DSUs"), valuation of options, RSUs and DSUs, vesting period and timing.
- Professional fees were \$161,091 and \$297,364 for the three and nine months ended September 30, 2018, an increase from \$52,700 and \$169,868, in the same period last year. Legal fees and professional fees mainly relate to corporate legal responsibilities and financial audit and tax fees.
- In the current quarter, the Company incurred additional costs while evaluating a potential strategic transaction. These costs included professional fees and financial advisory fees.





- Management and consulting fees increased in comparison to the same period in the prior year with expenses of \$30,299 for the three and nine months ended September 30, 2018, compared to expenses of \$8,867 and \$38,844 in the same period last year.
- Travel and promotion costs slightly increased for the three and nine months ended September 30, 2018, with expenditures of \$85,584 and \$240,671, compared to \$33,742 and \$166,305 for the same period in the prior year due to increased marketing efforts.
- Office and administrative costs of \$276,959 and \$729,310, increased for the three and nine months ended September 30, 2018, in comparison to the prior year with expenditures of \$70,971 and \$242,127, due to increased community efforts, additional security costs and increased costs associated with running two offices with an increasing head count on a full-time basis.
- The Company had a foreign exchange loss of \$52,813 and a foreign exchange gain of \$275,623 for the three and nine months ended September 30, 2018, in comparison with a foreign exchange loss of \$254,136 and \$454,895 in the same period of the prior year. Volatility in foreign exchange rates continues to cause significant gains and losses on both a quarterly and annual basis.

### Mineral Property Expenditures

For the three and nine months ended September 30, 2018, mineral property exploration expenditures have increased slightly to \$1,935,172 and \$5,377,127 from \$1,209,587 and \$4,304,143 for the three and nine months ended September 30, 2017. With the financing in place from the Company's latest capital transaction, the Company focused on completing the permitting process with the receipt of the wetlands permit in June 2018 and the completion of the Company's Feasibility Study at the Back Forty Project in September 2018. In addition, the Company is also continuing its exploration efforts in Wisconsin. Costs are increasing in line with the Company's expectations.

### Quarterly Information

Selected quarterly information for the eight most recently completed quarters is presented below and has been prepared in accordance with International Financial Reporting Standards.

<i>In thousands of US dollars</i>	For the quarters ended:			
	30-Sep-18	30-Jun-18	31-Mar-18	31-Dec-17
<b>Statement of Loss</b>				
Transaction costs	\$ -	\$ -	\$ -	\$ 1,104
Net (gain) loss in fair value of contingent consideration and warrants	(1,348)	605	(250)	(617)
Net expenses	3,205	3,698	2,880	3,019
Net loss	2,445	4,488	2,488	4,795
Loss per share	0.01	0.01	0.01	0.02

<i>In thousands of US dollars</i>	For the quarters ended:			
	30-Sep-17	30-Jun-17	31-Mar-17	31-Dec-16
<b>Statement of Loss</b>				
Transaction costs	\$ -	\$ -	\$ -	\$ -
Net (gain) loss in fair value of contingent consideration, and warrants	998	(172)	391	(235)
Net expenses	1,910	2,434	2,282	1,704
Net loss	1,166	2,380	2,755	1,398
Loss per share	-	0.01	0.01	0.01



The variability in quarterly losses is due to the funding of exploration expenses, the irregularity of share based payments expense, the revaluation of contingent consideration, warrants and debentures and the impact of constantly fluctuating exchange rates in Canadian and US currencies.

With the funds from the private placements in February 2017 and November 2017, the deposit from the first two tranches of the Streaming Agreement as well as the funds from the warrant and option exercises, the Company focused on receiving its final permit and finalizing its Feasibility Study resulting in sustained higher expenditures in the first half of 2018. Expenditures also reflect increased spending at the Company's Wisconsin projects in the first six months of 2018. Expenditures are consistent with the Company's expectations.

When considering the quarterly losses, the effect of stock-based compensation is a significant factor. Share based payment expenditure is dependent on the timing of stock option grants, RSU grants and DSU grants. As such, there is substantial variability on a quarter over quarter basis. Share-based payment expenditures were \$126,865, in the current quarter, and \$162,364, \$341,998, \$168,711, \$98,966, \$49,896, \$220,311, and \$36,706 in each of the seven prior quarters. Stock options totaling 1,850,000, RSUs totaling 900,000 and DSUs totaling 149,038 were issued in the first quarter, resulting in an increase of stock compensation expense. Higher compensation expense in the first quarter and third quarters of 2017 is due to the issuance of options.

Revaluation of the Canadian dollar warrants resulted in a gain of \$1,298,287. This is in comparison with losses in the second quarter of 2018 of \$118,261, first and fourth quarters of 2017 of \$697,257 and \$423,562 and the fourth quarter of 2016 of \$71,269. This is consistent to gains of \$225,465 in the prior quarter and gains of \$997,322 and \$194,358 recognized in the second and third quarter of 2017, respectively. The significant increase in the first and fourth quarters of 2017 is due to the issuance of a total of 31,551,545 Canadian dollar warrants in November 2017 and February 2017, and was offset in the prior quarter by the exercise of 9,210,926 warrants. The revaluation is based on a number of factors including expected life, stock price at time of revaluation and volatility. Due to these factors, the resulting revaluation can have a significant impact on the loss for the quarter and substantial variability can occur on a quarter by quarter basis.

Volatility in foreign exchange rates continued to cause significant gains and losses on a quarterly basis. During the quarter ended September 30, 2018, the fluctuation in rates continued as the Canadian dollar continued to weaken slightly relative to the US dollar, resulting in a loss of \$52,813 for the current quarter. This is consistent with losses in the each quarter in 2017 of \$46,696, \$253,136, \$118,926, and \$81,833. This is in comparison with gains in the each of the two prior quarters of 2018 of \$131,136 and \$197,302 and gains of \$71,269, \$71,616 and \$9,553 in the second, third and fourth quarters of 2016. The continued volatility is a trend that has continued throughout much of the current and prior fiscal years.

## **LIQUIDITY AND CAPITAL RESOURCES**

At September 30, 2018, the Company had cash of \$10,470,820 compared to cash of \$17,152,663 as at December 31, 2017. The Company had working capital of \$7,988,669 as at September 30, 2018, compared to working capital of \$15,452,406 as at December 31, 2017. Working capital is defined as current assets less current liabilities excluding warrants payable. The decrease in working capital is due to funding the Back Forty Project Feasibility Study, the additional work required on the Wetlands Permit as well as Company overhead. In August 2017, the Company received the final \$0.99 million from Osisko associated



with the 2015 financing. In July 2017, Orion Mine Finance (“**Orion**”) sold a royalty portfolio to Osisko which included the Company’s Back Forty Project silver stream. Orion remains a shareholder of the Company.

On November 10, 2017, the Company completed a financing transaction with Osisko Bermuda Limited (“**OBL**”), a wholly owned subsidiary of Osisko Gold Royalties Ltd (TSX & NYSE: OR), pursuant to which OBL agreed to commit approximately US\$65 million to Aquila through a \$10 million private placement and a \$55 million gold stream.

OBL purchased 49,173,076 units of Aquila at a price of C\$ 26 cents per unit for aggregate gross proceeds of \$10 million (the “**Strategic Investment**”). Each unit consists of one common share and one-quarter of one common share purchase warrant. Each whole warrant entitles the holder to purchase one common share of the Company for C\$ 34 cents until May 10, 2020. Osisko also has the right to participate in any future equity or equity-linked financings to maintain its ownership level in Aquila. In connection with the private placement, Osisko received the right to nominate one individual to the board of directors of Aquila and thereafter for such time as Osisko owns at least 10 per cent of the outstanding common shares. Osisko’s nominee was appointed to the board of directors in November 2017. At September 30, 2018, Osisko held 14.5% of the common shares of the Company (December 31, 2017 – 14.8%).

Concurrent with the Strategic Investment, the parties also entered into the Streaming Agreement, whereby OBL will provide the Company with staged payments totaling \$55 million, payable as follows:

- \$7.5 million on close of the Streaming Agreement (received);
- \$7.5 million upon receipt by Aquila of all material permits required for the development and operation of the Project, and receipt of a positive Feasibility Study (received);
- \$10 million following a positive construction decision for the Project; and
- \$30 million upon the first drawdown of an appropriate project debt finance facility, subject to the COC Provision (as defined below).

The initial tranche of \$7.5 million received from OBL is shown as deferred revenue on the statement of financial position. The second tranche of \$7.5 million was received from OBL in October 2018. The remaining \$40 million is payable in two installments and is subject to the completion of certain milestones and the satisfaction of certain other conditions. Therefore it is not reflected on the statement of financial position at this time. OBL has been provided a general security agreement over the subsidiaries of Aquila that are directly involved with development of the Back Forty Project.

Under the terms of the Streaming Agreement, OBL will purchase 18.5% of the refined gold from the Project (the “**Threshold Stream Percentage**”) until the Company has delivered 105,000 ounces of gold (the “**Production Threshold**”). Upon satisfaction of the Production Threshold, the Threshold Stream Percentage will be reduced to 9.25% of the refined gold (the “**Tail Stream**”). In exchange for the refined gold delivered under the Streaming Agreement, OBL will pay the Company ongoing payments equal to 30% of the spot price of gold on the day of delivery, subject to a maximum payment of \$600 per ounce.

In the event of a change of control of the Company prior to the advancement of the final \$30 million under the Streaming Agreement, the person or entity acquiring control over the Project may elect to forgo the final payment, in which case the Threshold Stream Percentage and Tail Stream will be reduced to 9.5% and 4.75%, respectively (the “**COC Provision**”). All other terms and conditions of the Streaming Agreement will remain unchanged.

Pursuant to the Streaming Agreement, the Company has agreed to pay a \$200,000 capital commitment fee. The fee is payable as to 50% upon closing of the Streaming Agreement transaction and 50% upon OBL funding the second deposit under the Streaming Agreement. Aquila satisfied the initial \$100,000 fee by way of the issuance of 478,781 common shares of the Company based upon the five-day volume weighted average price of the common shares prior to November 10, 2017. The \$100,000 was expensed as part of transaction costs in the statement of net loss and comprehensive loss. The remaining \$100,000 capital commitment fee was settled in cash on the date that the second tranche was received.

Subsequent to year end, the Company received a re-assessment of certain of its input tax credits (“ITCs”) totaling approximately C\$ 563,000 (\$437,000). The Company has recorded the amount as a payable on the statement of financial position and as an exploration expense on the statement of net loss. The Company has filed a Notice of Objection in relation to this matter as the Company disagrees with Canada Revenue Agency’s characterization of these ITCs.

Historically, the Company’s main source of funding has been the issuance of equity securities for cash, primarily through private placement offerings to accredited investors and institutions. The Company’s access to financing is always uncertain. There can be no assurance of continued access to significant equity financing, or that such access will be timely and in the amounts necessary to fund the Company’s activities. There are many conditions beyond the Company’s control which have a direct impact on the level of investor interest in the purchase of Company securities. The Company may also attempt to generate additional working capital through the operation, development, sale or possible joint venture development of its properties. However, there is no assurance that any such activity will generate funds that will be available for operations. See “Risk Factors” in the Company’s AIF.

The following are the capital financings completed by the Company in the last two years;

- In October 2018, the Company received the second tranche of \$7.5 million under the Streaming Agreement with Osisko.
- In the third quarter of 2018, 682,500 options were exercised for cash proceeds of \$82,929 (C\$108,375).

- In the second quarter of 2018, 2,515,500 warrants were exercised for cash proceeds of \$389,752 (C\$503,100).
- In the second quarter of 2018, 385,125 options were exercised for cash proceeds of \$298,356 (C\$385,125).
- In the first quarter of 2018, 906,760 warrants were exercised for cash proceeds of \$168,661 (C\$220,555).
- In the first quarter of 2018, 200,000 options were exercised for cash proceeds of \$23,268 (C\$30,000).
- In November 2017, the Company closed a financing transaction as described above with Osisko with a private placement with proceeds of \$10 million and the first deposit under the Streaming Agreement of \$7.5 million.
- In the fourth quarter of 2017, 100,000 options were exercised for cash proceeds of \$14,947 (C\$19,000). In addition 86,875 broker warrants were exercised for cash proceeds of \$8,157 (C\$10,425).
- In the third quarter of 2017, 9,210,926 warrants were exercised for cash proceeds of \$1.1 million (C\$1.38 million) and 100,000 options were exercised for cash proceeds of \$16,074 (C\$15,000).
- In the second quarter of 2017, 400,000 options were exercised for cash proceeds of \$45,224 (C\$60,000).
- In February 2017, the Company closed a non-brokered private placement offering (the "**Offering**"), raising gross proceeds of C\$7.9 million. The Offering was over-subscribed with 36,017,725 units (the "**Units**") issued. Each Unit was priced at C\$ 22 cents, and consisted of one common share and one-half of one common share purchase warrant. Each whole warrant will entitle the holder to acquire one Aquila common share for C\$ 30 cents until February 6, 2020.
- In the fourth quarter of 2016, 100,000 warrants were exercised for cash proceeds of \$14,989 (C\$20,000).
- In the fourth quarter of 2016, 1,000,000 options were exercised for cash proceeds of \$112,425 (C\$150,000).



Below is a summary of the share capital transactions for common shares of the Company:

	September 30, 2018		December 31, 2017	
	Number of shares	\$	Number of shares	\$
Balance, beginning of year	331,139,296	73,975,825	235,521,913	58,747,278
Shares issued pursuant to a private placement	-	-	85,190,801	16,018,202
Transaction costs relating to private placement	-	-	-	(468,999)
Fair value assigned to warrants	-	-	-	(1,671,141)
Transaction costs assigned to warrants	-	-	-	61,071
Fair value assigned to broker warrants	-	-	-	(75,915)
Shares issued for capital commitment payment	-	-	478,781	100,000
Shares issued on exercise of warrants	3,425,260	558,412	9,297,801	1,111,257
Fair value on exercise of warrants	-	55,625	-	20,886
Shares issued on exercise of options	3,410,000	404,553	650,000	76,245
Fair value on exercise of options	-	328,455	-	56,941
Balance, end of period	337,974,556	75,322,870	331,139,296	73,975,825

## Warrants

As at September 30, 2018, there are a total of 31,551,545 warrants priced in Canadian dollars outstanding. For additional information, refer to note 11 of the condensed interim consolidated financial statements for the nine months ended September 30, 2018.

## Options

As at September 30, 2018, there are a total of 19,004,000 stock options outstanding with a weighted average exercise price of C\$ 19 cents. For additional information, refer to note 10(b) of the condensed interim consolidated financial statements for the nine months ended September 30, 2018.

## Commitments

The Company is not committed to any material capital expenditures to the date of this MD&A.

In order for the Company to maintain its properties in good standing there are certain lease, option and property acquisition costs it will have to incur, as well as other commitments it has to fulfill. Any cash outlays required will be met from existing working capital and funding provided by capital markets or other industry partners.

## MARKET TRENDS

The Company's future financial performance is dependent on many external factors including the prices of certain precious and base metals. The markets for these commodities are volatile and difficult to predict as they are impacted by many factors including international political, social, and economic conditions. These conditions, combined with volatility in the capital markets, could materially affect the future financial performance of the Company. For a summary of other factors and risks that may affect the Company and its financial position, please refer to "Risk Factors" in the Company's AIF.

## OFF-BALANCE SHEET ARRANGEMENTS

As at September 30, 2018, and December 31, 2017, the Company does not have any off-balance sheet arrangements.

## TRANSACTIONS WITH RELATED PARTIES

In accordance with IAS 24 Related Party Disclosures, key management personnel are those persons having authority and responsibility for planning, directing and controlling the activities of the Company, directly or indirectly, including any directors (executive and non-executive) of the Company. The remuneration of directors and key executives is determined by the compensation committee. During the three and nine months ended September 30, 2018, director's fees, professional fees and other compensation of directors and key management personnel were as follows:

	For the three months ended September 30,		For the nine months ended September 30,	
	2018	2017	2018	2017
Short-term compensation and benefits	\$ 192,409	\$ 236,603	\$ 585,977	\$ 734,229
Share-based payments (fair value of stock option benefits and share based payments)	116,828	56,115	399,447	303,124
	<b>\$ 309,237</b>	<b>\$ 292,718</b>	<b>\$ 985,424</b>	<b>\$ 1,037,353</b>

During the nine months ended September 30, 2018, the Company had expenditures in the amount of \$61,602 (2017 - \$73,872) for shared office costs paid to a partnership in which one of the Company's directors has an interest.

## CRITICAL ACCOUNTING ESTIMATES

The preparation of the consolidated financial statements in conformity with IFRS requires management to make estimates and assumptions that affect the reported amounts of assets, liabilities and contingent liabilities at the date of the financial statements and reported amounts of revenues and expenses during the reporting period. Estimates and judgments are continuously evaluated and are based on management's experience and other factors, including expectations of future events that are believed to be reasonable under the circumstances. Actual outcomes can differ from these estimates. The key sources of estimation uncertainty that have a significant risk of causing material adjustment to the amounts recognized in the financial statements are:

### Impairment of mineral property costs

When there are indications that an asset may be impaired, the Company is required to estimate the asset's recoverable amount. The recoverable amount is the greater of value-in-use and fair value less costs to sell. The key judgment related to the financial statements is the permitting of the Back Forty Project and the ability to undertake feasibility studies on the property to develop and operate it. Should there be negative information in this regard, or negative information from future feasibility studies, then an impairment assessment would be required to be performed.

### **Accounting for streaming agreement**

The Company entered into a silver streaming arrangement in 2015 with Orion and received \$17.25 million to date which was used for the development of the Back Forty Project. Refer to Note 9 (b) of the consolidated financial statements for further details. The Company entered into a gold streaming arrangement in 2017 and has received \$15 million to date which is being used for the development of the Back Forty Project. Refer to note 8 of the consolidated financial statement for further details.

Management exercised judgment in applying IFRS 15, Revenue from Contracts with Customers standards to certain contracts with customers. To determine the transaction price for streaming agreements, the Company made estimates with respect to the interest rate implicit in the agreements to adjust the consideration for the time value of money. These estimates are subject to variability and may have an impact on the timing and amount of revenue recognized.

### **Share-based payments**

Management determines costs for share-based payments using market-based valuation techniques. The fair value of the share awards and warrant liabilities are determined at the date of grant using generally accepted valuation techniques and for warrant liabilities at each balance sheet date thereafter. Assumptions are made and judgment used in applying valuation techniques. These assumptions and judgments include estimating the future volatility of the stock price and expected dividend yield. Such judgments and assumptions are inherently uncertain. Changes in these assumptions affect the fair value estimates.

### **Contingent Consideration**

The valuation of contingent consideration relies on several estimates which include the commencement date of development activities, discount rates on present value calculations and the assessment of several key risks including permitting, feasibility study, and commercial production.

## **SIGNIFICANT ACCOUNTING POLICIES**

The Company adopted IFRS 9, Financial Instruments and IFRS 15, Revenue from Contracts with Customers effective January 1, 2018. Refer to Note 2 – Accounting Policies in the Company’s Condensed Interim Consolidated Financial Statements for the period ended June 30, 2018 for further details.

## **FUTURE ACCOUNTING PRONOUNCEMENTS**

### **IFRS 16, Leases (“IFRS 16”)**

IFRS 16 was issued in January 2016, replaces IAS 17, Leases. IFRS 16 results in most leases being reported on the balance sheet for lessees, eliminating the distinction between a finance lease and an operating lease. The standard is expected to impact the accounting for the Company’s operating leases, which are currently reflected in the consolidated statements of loss. Under IFRS 16, all operating leases, except for short term and low value leases, are expected to be accounted for as finance leases. As a result, the leased assets and the associated obligations are recognized in the consolidated statements of financial position. The leased assets will be depreciated over the shorter of the estimated useful life of the asset and the lease term. The





lease payments are apportioned between finance charges and a reduction of the lease liability. The current operating lease expense will be replaced with a depreciation charge on the leased assets and a finance charge on the lease liability, which are in aggregate expected to result in a higher total periodic expense in the earlier periods of the lease. Based on the Company's current situation, the Company does not expect any material impact upon adoption of this standard.

IFRS 16 is effective for annual periods beginning on or after January 1, 2019. Early adoption is permitted for companies that also adopt IFRS 15. The Company does not intend to adopt IFRS 16 before its mandatory date.

## NON-GAAP FINANCIAL MEASURES

Working capital is not a measure recognized under IFRS and is referred to as a Non-GAAP measure. The Company believes that this measure provides investors with an improved ability to evaluate the performance of the Company. This measure has no standardized meanings under IFRS and may not be comparable to similar measures presented by other companies. This measure is intended to provide additional information and should not be considered in isolation or as a substitute for measures prepared in accordance with IFRS.

The Company determines working capital as follows: current assets less current liabilities excluding warrants payable. The Company excludes warrants payable as it is a non-cash liability and has no impact on the Company's ability to satisfy its current payables.

	For the quarters ended:			
	30-Sep-18	30-Jun-18	31-Mar-18	31-Dec-17
<b>Working capital</b>				
Current assets	\$ 11,100,258	\$ 13,202,876	\$ 15,490,928	\$ 17,798,804
Current liabilities excluding warrants payable	3,111,589	2,225,725	1,966,276	2,346,398
Working capital	7,988,669	10,977,151	13,524,652	15,452,406

	For the quarters ended:			
	30-Sep-17	30-Jun-17	31-Mar-17	31-Dec-16
<b>Working capital</b>				
Current assets	\$ 3,421,250	\$ 3,375,627	\$ 5,337,776	\$ 1,682,530
Current liabilities excluding warrants payable	1,249,812	1,500,547	1,091,836	1,021,364
Working capital	2,171,438	1,875,080	4,245,940	661,166

C1 cash costs, AISC, EBITDA and free cash flow are non-IFRS financial measures calculated by the Company as set forth below, and may not be comparable to similar measures reported by other companies.

C1 cash costs, which are intended to measure direct cash costs of producing paid metal, include all direct costs that would generate payable recoveries of metals for sale to customers, including mining of mineralized materials and waste, leaching, processing, refining and transportation costs, on-site administrative costs and royalties, net of by-product credits. C1 cash costs do not include depreciation, depletion, amortization, exploration expenditures, reclamation and remediation costs, sustaining capital, financing costs, income taxes, or corporate general and administrative costs not directly or indirectly related to the Project. C1 cash costs are divided by the number of ounces of gold or pounds of zinc, as



applicable, estimated to be produced for the period to arrive at cash costs per gold ounce or zinc pound produced.

AISC includes C1 cash costs, as defined above, plus exploration costs at the Project and sustaining capital expenditures (including additional leach pads, permitting and customary improvements to the operations over the life of the project). AISC is divided by the number of ounces of gold or pounds of zinc, as applicable, estimated to be produced for the period to arrive at AISC per gold ounce or zinc pound produced.

EBITDA is earnings before interest, taxes, depreciation, and amortization.

Free cash flow is cash flows from operations less all capital investments including closure costs.

## **FINANCIAL INSTRUMENTS**

The Company has not entered into any specialized financial arrangements to minimize its investment risk, currency risk or commodity risk.

### **Warrants**

Equity offerings were completed in previous periods whereby warrants were issued with exercise prices denominated in Canadian dollars. Where the warrants have an exercise price denominated in a currency which is different from the functional currency of the Company (US dollar), the warrants are treated as a financial liability. The Company's share purchase warrants denominated in Canadian dollars are classified and accounted for as a financial liability at fair value with changes in fair value recognized in net earnings. The Company uses the Black-Scholes Option Pricing Model to estimate the fair value of the Canadian dollar denominated warrants.

## **DISCLOSURE CONTROLS**

The Chief Executive Officer ("CEO") and the Chief Financial Officer ("CFO") are responsible for establishing and maintaining a system of controls and procedures over the public disclosure of financial and non-financial information regarding the Company. Such controls and procedures are designed to provide reasonable assurance that all relevant information is gathered and reported, on a timely basis, to senior management, including the CEO and the CFO, so that appropriate decisions can be made by them regarding public disclosure.

The system of disclosure controls and procedures includes, but is not limited to, the Company Disclosure Policy, Code of Business Ethics, the Whistleblower Policy, the effective functioning of the Audit Committee, procedures in place to systematically identify matters warranting consideration of disclosure by the Board of Directors and verification processes for individual financial and non-financial metrics and information contained in annual and interim filings, including the financial statements, MD&A's, AIF's and other documents and external communications.

As required by CSA Multilateral Instrument 52-109, Certification of Disclosure in Issuers' Annual and Interim Filings, an evaluation of the effectiveness of the design and operation of the Company's disclosure controls and procedures was conducted, under the supervision of Management, including the CEO and CFO, as of September 30, 2018. The evaluation included documentation review, enquiries and other procedures considered by Management to be appropriate in the circumstances. Based on that evaluation, the CEO and



the CFO have concluded that the design and operation of the system of disclosure controls and procedures was effective as of September 30, 2018.

The CEO and CFO are also required, under NI 52-109, Certification of Disclosure in Issuers' Annual and Interim Filings to file certifications of the interim filings. Copies of these certifications may be found on SEDAR at [www.sedar.com](http://www.sedar.com).

### **INTERNAL CONTROL OVER FINANCIAL REPORTING**

Management is responsible for designing internal controls over financial reporting, or supervising their design in order to provide reasonable assurance regarding the reliability of financial reporting and preparation of consolidated financial statements for reporting purposes in accordance with IFRS.

There was no change in the Company's internal controls over financial reporting that occurred during the third quarter of 2018 that has materially affected, or is reasonably likely to materially affect, the Company's internal controls over financial reporting.

The control framework has been designed by management with assistance by independent accounting consultants. Based on a review of its internal control procedures at the end of the period covered by this MD&A, the conclusion of management is that the internal control is appropriately designed and operating effectively as of September 30, 2018.

### **ADDITIONAL INFORMATION**

Additional information about the Company including financial statements, press releases and other filings are available on SEDAR at [www.sedar.com](http://www.sedar.com) . The Company website is [www.aquilaresources.com](http://www.aquilaresources.com).