



**MANAGEMENT DISCUSSION AND ANALYSIS**  
**FOR THE THREE AND SIX MONTH PERIODS ENDED MAY 31, 2019 AND 2018**  
**AND SUBSEQUENT PERIOD ENDED JULY 17, 2019**

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## **1. INTRODUCTION**

The following discussion and analysis of the operating results, financial position and future prospects of Copper Reef Mining Corporation ("Copper Reef" or the "Company"), dated May 31, 2019 constitutes management's view of the factors that affected the Company's financial and operating performance for the period ended May 31, 2019 and subsequent period ended July 17, 2019. This discussion should be read in conjunction with the audited financial statements and related notes of the Company for the period ended May 31, 2019. This MD&A is prepared in conformity with National Instrument 51-102 F1 and was approved by the Board of Directors on July 17, 2019.

All financial information is presented in Canadian dollars unless otherwise stated. All references to a year refer to the year ended on November 30, 2018. Additional information related to the Company is available for review on SEDAR at [www.sedar.com](http://www.sedar.com).

## **2. FORWARD-LOOKING STATEMENTS**

Certain statements contained in this document constitute "forward-looking statements". When used in this document, the words "may", "would", "could", "will", "intend", "plan", "propose", "anticipate", "believe", "forecast", "estimate", "expect" and similar expressions, as they relate to the Company or its management, are intended to identify forward-looking statements. Such statements reflect the Company's current views with respect to future events and are subject to certain risks, uncertainties and assumptions. Many factors could cause the Company's actual results, performance or achievements to be materially different from any future results, performance or achievements that may be expressed or implied by such forward-looking statements. Given these risks and uncertainties, readers are cautioned not to place undue reliance on such forward-looking statements. The Company does not intend, and does not assume any obligation, to update any such factors or to publicly announce the result of any revisions to any of the forward-looking statements contained herein to reflect future results, events or developments.

## **3. STRUCTURE AND BUSINESS DESCRIPTION**

### **a) NAME AND INCORPORATION**

The Company was incorporated under the laws of the Province of Manitoba by Letters Patent of Incorporation dated March 27, 1973 as "Copper Reef Mines (1973) Limited", as amended by Articles of Amendment dated January 18, 2005, and Articles of Amendment dated September 8, 2006, changing the corporate name to "Copper Reef Mining Corporation". The head office of the Company is at 12 Mitchell Road, Flin Flon, Manitoba R8A 1N1. Other than shares of non-related companies pursuant to certain property agreements, the Company does not have an interest in any corporations, bodies corporate, limited partnerships, partnerships, joint ventures, associations, trusts or unincorporated organizations.

## **b) THE COMPANY**

The Company is a Canadian junior mineral exploration company engaged in the acquisition, exploration and development of mineral concessions with a specific focus on mineral properties in Northwest Manitoba and Northeast Saskatchewan, Canada. All of the Company's properties are currently at the exploration stage. The Company has no long-term debt and has assembled a portfolio of base metal and precious metal prospects, including strategic locations in the provinces of Manitoba and Saskatchewan.

## **c) LIQUIDITY AND CAPITAL RESOURCES**

As at May 31, 2019 the Company had a working capital deficit of \$228,315 as compared to a working capital deficit of \$62,336 as at November 30, 2018. The Company's ability to remain liquid over the long term depends on its ability to obtain additional financing. There can be no assurance that the Corporation will be able to obtain sufficient capital in the case of operating cash deficits.

## **4. CORPORATE DEVELOPMENTS**

### **a) FINANCINGS/PRIVATE PLACEMENTS**

**On December 31, 2018**, the Company completed a non-brokered, private placement that realized \$42,250 in flow through funds, and \$89,750 in non-flow-through funds for an aggregate working capital improvement of \$132,000

**On March 22, 2019**, the Company completed a non-brokered, private placement that realized \$55,000 in flow through funds, \$10,000 in non-flow-through funds and cash equivalent shares for debt of \$78,000 for an aggregate working capital improvement of \$143,000.

The Company has successfully raised \$275,000 in financings thus far this year.

**On June 6, 2019**, the Company announced its plans to raise \$500,000 through a non-brokered private placement financing up to a Maximum Offering Amount of \$500,000. The first tranche of this raise will be comprised of 6,000,000 Flow-Through Units at a price of \$0.05 per Flow-Through Unit representing proceeds of \$300,000 and 8,000,000 Class "A" Units at a price of \$0.025 per Unit, representing proceeds of \$200,000 for an aggregate total raised of \$500,000. The Offering is subject to certain conditions including, but not limited to, the receipt of all necessary regulatory approvals. All securities to be issued under the Offering will be subject to a four-month statutory hold period in Canada.

The Class "A" Units shall consist of, and separate immediately upon closing into, one common share of the Issuer (a "Common Share") and one (1) Warrant, each entitling the holder to purchase one Common Share at a purchase price of \$0.05 cents per Warrant for a period of twelve (12) months following the date of issuance. The Flow-Through Units shall consist of, and separate immediately upon closing into, one Common Share, to be issued as a "flow-through share" (the "Flow-Through Shares") within the meaning of the Income Tax Act (Canada), and one Warrant. Each Warrant attached to the Flow-Through Units shall entitle the holder to purchase one Common Share for a purchase price of \$0.05 per Common Share for a period of twenty four (24) months following the date of issuance.

Please refer to Section 6, Page 11 for the intended use of proceeds.

## **5. EVALUATION & EXPLORATION ASSETS**

The Company holds interests in mineral properties all located in Saskatchewan and Manitoba. These are summarized in the Table of Evaluation and Exploration assets as noted overleaf. Claims with minimal exploration work, essentially held due to strategic location have all work expensed on an annual basis.

A continuity schedule of the capitalized expenditures allocated to individual major properties and summarized for minor properties is shown overleaf:

Please note, the Mink Narrows Group and the Smelter and Hanson Lake properties have been allocated to "Other Properties" as work for the past two years has consisted of title sustaining work necessary to maintain the current status of the claims.

Also, we have included a summary of expenditures that have been expensed not capitalized to illustrate total mineral property costs for the periods ended May 31, 2019 and 2018.

A summary of major claim blocks and exploration expenditures for the periods ended May 31, 2019 and 2018, including both capitalised and expensed expenditures is included overleaf:

	Total	Non Capitalised Expenditures	Total Capitalised Expenditures	Gold Rock Group	Alberts Lake Group (*)	Mink Group	Smelter Group	Hanson Lake	Other Properties
<b>Balance, November 30, 2017</b>			<b>8,916,122</b>	<b>1,684,445</b>	<b>675,792</b>	<b>2,451,771</b>	<b>1,604,775</b>	<b>1,679,733</b>	<b>819,604</b>
Claim acquisition & holding	5,119	4,937	547	–	–	130	182	195	40
Assay	40	40	–	–	–	–	–	–	–
Geological	16,465	0	16,465	9,090	7,375	–	–	–	–
Field labour costs	47,407	12,294	34,550	11,500	23,050	–	–	–	–
Other fields costs	9,529	3,705	6,022	140	5,581	301	–	–	–
<b>Total Q1 2018 expenditures</b>	<b>78,560</b>	<b>20,976</b>	<b>57,584</b>	<b>20,730</b>	<b>36,006</b>	<b>431</b>	<b>182</b>	<b>195</b>	<b>40</b>
<b>Balance, February 28, 2018</b>			<b>8,973,706</b>	<b>1,705,175</b>	<b>711,798</b>	<b>2,452,202</b>	<b>1,604,957</b>	<b>1,679,928</b>	<b>819,644</b>
Claim acquisition & holding	3,898	2,281	1,252	1,252	–	–	–	–	–
Assay	11,236	1,162	10,074	0	10,074	–	–	–	–
Geological	7,348	0	7,348	-517	7,865	–	–	–	–
Field labour costs	118,843	33,981	85,426	4,313	80,550	563	–	–	–
Other fields costs	23,224	10,603	12,423	192	12,066	165	–	–	–
<b>Balance of 2018 expenditures</b>	<b>243,109</b>	<b>69,003</b>	<b>116,523</b>	<b>5,240</b>	<b>110,555</b>	<b>728</b>	<b>–</b>	<b>–</b>	<b>–</b>
MEAP Rebates			(32,946)	(30,097)	(2,849)	–	–	–	–
<b>Balance, November 30, 2018</b>			<b>9,057,283</b>	<b>1,680,317</b>	<b>819,504</b>	<b>–</b>	<b>–</b>	<b>–</b>	<b>–</b>
Claim acquisition & holding	3,537	2,491	<b>1,046</b>	<b>468</b>	<b>–</b>	<b>298</b>	<b>–</b>	<b>–</b>	<b>280</b>
Assay	1,719	308	<b>1,410</b>	<b>–</b>	<b>1,410</b>	<b>–</b>	<b>–</b>	<b>–</b>	<b>–</b>
Geological	21,177	0	<b>21,177</b>	<b>–</b>	<b>21,177</b>	<b>–</b>	<b>–</b>	<b>–</b>	<b>–</b>
Field labour costs	69,514	18,151	<b>51,363</b>	<b>–</b>	<b>51,175</b>	<b>–</b>	<b>–</b>	<b>188</b>	<b>–</b>
Other fields costs	19,771	6,639	<b>13,132</b>	<b>–</b>	<b>13,132</b>	<b>–</b>	<b>–</b>	<b>–</b>	<b>–</b>
Drilling	71,778	0.00	<b>71,778</b>	<b>–</b>	<b>71,778</b>	<b>–</b>	<b>–</b>	<b>–</b>	<b>–</b>
<b>Total YTD expenditures</b>	<b>187,496</b>	<b>27,589</b>	<b>159,906</b>	<b>468</b>	<b>158,673</b>	<b>298</b>	<b>0</b>	<b>188</b>	<b>280</b>
<b>Balance, May 31, 2019</b>			<b>9,217,189</b>	<b>1,680,785</b>	<b>978,177</b>	<b>2,453,228</b>	<b>1,604,957</b>	<b>1,680,116</b>	<b>819,924</b>

## **6. EXPLORATION ACTIVITIES FOR THE PERIOD**

### **QUARTER 1**

On February 28, 2019, the Company announced the beginning of their base metal drilling north of Sourdough Bay in the main Flin Flon Camp of Northern Manitoba. The Company plans to drill initially 2 to 3 targets of 7 Airborne VTEM targets that occur just north of the former Pine Bay, Baker Patton and North Star Mines. The three being drilled occur as a cluster of four, possibly representing mineralization connected at depth (Ross Groom -VTEM Modelling Report's 2018 and 2019) over a combined strike length of 300 m. Individually targets vary from 80 to 150 m in strike length.

### **QUARTER 2**

On April 24, 2019 the Company issued a news release reporting on its drilling programme on its Amulet, Flin Flon Main Camp property.

Three VTEM targets Z2-4, Z2-5 and Z3-1 were all intersected with a single drill hole in each anomaly. All drill holes AM-19-6 to 8 intersected disseminated to semi massive pyrite and pyrrhotite mineralization with trace to minor zinc and copper mineralization associated with chert horizons. Grades up to 1.8% zinc and 7.8 g/t silver were intersected over narrow widths of 0.13 m to 1 m within wider zones of mineralization.

The drilling outlined a graben like basin development with units of cherty sulphidic sediments with multiple layers of 10 to 20 % semi massive sulphides (35-60% pyrite, pyrrhotite) over thicknesses up to two meters interspersed between wider massive to weakly bedded siliceous sediments of felsic origin, over a strike length of at least 800 m. The structural basin development of sulphidic sediments overlies copper bearing quartz porphyritic rhyolite breccias, autoclastic flows and minor lapilli tuff, with the sediments capped to the west by amygdaloidal massive basaltic andesite flows. The basin appears to thicken significantly to the north. In the area of drill hole AM-19-08 (southern hole targeting Z3-1) there is 3m of sediments, to roughly 45 m of sediments (true width) in the area of the northern most drill hole AM-19-06 (target Z2-4). Generally the sulphide horizons and cherty sediments dip steeply east at 70 degrees with the exception of the middle drill hole AM-19-07 where the sediments appears to change dip from east to west and then back to east again, possibly due to internal drag folding.

All three drills holes intersected this upper chert sulphide horizon with the most significant sericite alteration of the sediments associated with the area of AM-19-07.

Drill hole AM-19-06 (northern most hole) intersected massive sediments containing units composed of chert, sulphides and fine tuff from 62.95m to 122.5m (59.55m core length) sandwiched between massive Quartz Feldspar Porphyry to the east and massive amygdaloidal basaltic andesite flows to the west. Three main sulphide chert horizons were intersected and include:

- a. 62.95m to 77.42m (14.47m) Pyrrhotite- pyrite cherty units
- b. 98.75m to 101.0 m (2.25 m) Narrow sulphide facies iron formation.
- c. 108.82m to 109.53m (0.71m) narrow sulphide layers in cherty sediments

The best intersections from these horizons were 1 m of 0.84% Zn, 4.8 g/t Ag and 0.13% Cu from 75m to 76m from the first sulphide horizon and a narrow intersection of 0.13 m of 1.82% Zn, 5.9 g/t Ag and 0.15% Cu from 109.4m to 109.53m in the third sulphidic horizon. True widths of intersections are estimated to be 75-80% of the core length based on bedding core angles in this hole.

Drill hole AM-19-07 targeting Z2-5 VTEM anomaly ( a step out of 238 m south of AM-19-06) collared in chalcopyrite bearing felsic breccia from 17.69m to 69.5m (51.81 m) followed by a package of ash tuffs, felsic sediments and Lapilli ash tuffs from 69.5m to 100.0m (30.5m). Overlying this package were sediments from 100.0m to 109.7m (9.7 m). The sediments (no appreciable sulphides) were followed by a crosscutting quartz feldspar porphyry intrusion (QFP) from 109.7m to 158.91m (49.21m). Following the porphyry was a section of cherty sulphidic iron formation from 158.91m to 164.0m (5.09 m). From 164m to 171.3m the iron formation was intruded again by QFP with itself cut by a gabbro dike. From 171.3m to 182.77m (11.52 m) small slivers of sulphidic horizons were cut by a 10.57m QFP. The hole ended in amygdaloidal basaltic andesite at 200.3m.

The sulphide horizon and cherty iron formation estimated to be roughly 20m thick originally was for the most part diked out by multiple QFP intrusions and assayed only anomalous Silver and Zinc up to 2.1 g/t Ag and 0.33% Zn. Only a few sections of core were sampled of the chalcopyrite rhyolite breccia which the drill hole collared in. These returned values of 0.42% to 0.95% copper over lengths of 0.15m to 0.45m which is significant considering there is an untested conductor just behind the collar.

Drill Hole AM-19-07 contained the area of most significant sericite alteration.

Drill Hole AM-19-08 targeting Z3-1 VTEM anomaly, a 376 m step out south of DDH AM-19-07 intersected intrusive rhyolite phreatic breccia from 7.3m to 87.1m (79.8m) followed by a cherty sulphidic iron formation from 87.1m to 87.5m The Iron Formation was followed by intrusive QFP to 98.6m containing a sliver or inclusion of semi massive sulphide from 89.45m to 89.95m (0.5m) which assayed only 1.9 g/t Ag and 0.2% Zn. Like DDH AM-19-07 a significant portion of the sulphide horizons appear to have been diked out by cross cutting quartz feldspar porphyry (QFP) intrusions; therefore all drill casing was left in the holes and capped in order that they may be later down-hole probed by transient EM to determine the location of the main mass of the conductor.

## **DISCUSSION**

The three VTEM targets selected appear to represent the upper sulphide horizons that capped a sedimentary basin developed in a graben like structure overlain by a felsic volcanic sequence of tuffs and breccias and intrusive feeder dikes. These VTEM anomalies drilled represented the strongest of a group of targets in the area because of their high pyrrhotite content which was

the dominant sulphide associated within the sediment package which hosted the sulphide chert horizons. They may be characterized as chert sulphide facies iron formation.

However behind drill holes AM-19-7 and 8 is a 600m long string of weaker anomalies (1/4 to 1/2 of the strength of those targeted that were not tested and this includes the VTEM anomaly Z3-2. After collaring in the chalcopyrite bearing rhyolite breccia carrying significant copper, these in hindsight may have been the better targets as one of the stronger HLEM targets on this horizon lies just behind where DDH –AM-19-07 was collared in chalcopyrite bearing felsic breccia. The fact that this anomaly string lies within rhyolite rather than overlying sediments suggests that this may be a better VMS target.

To the north of the drilling, sampling in the area of VTEM anomaly Z8 (not tested) found highly altered (0.0% CaO and 0.23 % Na<sub>2</sub>O) VMS style alteration within fragmental rhyolites lending some credibility that this may be a better VTEM target.. Z8 was not tested because it was a weaker (less pyrrhotite?) VTEM target despite having supportive alteration. Copper Reef plans to follow up this lower horizon with sampling, prospecting and Ground Transient Electromagnetic work this spring and summer to increase the confidence level of this target.



**NEW FUTURE TARGETS BEING CONSIDERED.**

Currently Copper Reef is also looking at additional airborne targets in the Paradise Lodge area south of Flin Flon where significant copper bearing sulphides have been intersected. This is the same property package that host CZC's name sake property and the Copper Reef Massive Sulphide deposit.

Copper Reef is also looking to fund large existing off-hole EM targets which are ready for drilling on our Hanson Lake Property in Saskatchewan which lies immediately on strike with Foran Mining's large McIlvenna Bay Deposit. Foran is hinting that they may put this deposit into production (Flin Flon Chamber of commerce presentation by Foran's President Patrick Soares April 16, 2019). Copper Reef owns a royalty on the McIlvenna Bay deposit, a 2% NSR as well on Foran's Bigstone and Balsam Properties. The Hanson Lake property 100% owned by Copper Reef which hosted the former producer, Hanson Lake Mine operated by Western Nuclear Mines between 1967 and 1969 which produced 147,000 t containing 10% Zn, 5.8% Pb, 0.5% Cu and 137.0 g/t Ag.

**QUARTER 3**

**On June 3, 2019**, the Company announced its plans shift its main focus of exploration to its 100% owned Hanson Lake Property next to and on strike with Foran Mining's McIlvenna deposit just 2 km to the north. Saskatchewan ranked #1 for exploration in Canada for a reason having: a good permitting system; certainty of tenor and investment; as well as exploration incentives, something Manitoba should copy if it wishes to have the same order of activity (over ten times). Copper Reef's property is surrounded by Foran's own Hanson Lake Property of which Copper Reef holds a Net Tonnage Royalty ("NTR") of \$0.75 cents per tonne of ore mined from the property. Foran Mining has announced in a Press Release on May 25, 2019 a new resource on the McIlvenna Deposit of

- Indicated resources increase by 65%, to 22.95 million tonnes
- Additional inferred resources of 11.15 million tonnes
- Contained metals (indicated): 1.5 billion lbs Zn / 590 million lbs Cu
- Contained metals (inferred): 450 million lbs Zn / 340 million lbs Cu

Details can be found in Foran's Press Release of May 25, 2019.

**ROYALTIES IN THE HANSON LAKE CAMP AND WHAT IT MEANS FOR COPPER REEF SHAREHOLDERS.**

Should the McIlvenna deposit be mined the potential value from the McIlvenna deposit royalty alone at \$0.75/tonne for Copper Reef would be on the order of \$25.5 million and the deposit remains open at depth so a further increase is possible as well as other potential discoveries on the property such as Target "A". At Foran's proposed rate of mining (5000 tpd) of the deposit, the revenue would translate into roughly \$1.37 million for Copper Reef per year. Copper Reef holds as well a 2-per-cent net-smelter-return royalty (NSR) on other nearby properties and deposits held by Foran in Saskatchewan, including the Bigstone, Balsam, and Thunder deposits which Foran has suggested could possibly provide additional feed to a central mill if developed.

#### **DETAILS OF COPPER REEF'S HANSON LAKE PROPERTY**

The property is located north and on strike of the McIlvenna deposit in the Flin Flon Belt of Northern Saskatchewan and is host to the former Hanson Lake Mine. The Mine, which was operated by Western Nuclear Mines between 1967 and 1969, produced 147,000 t containing 10% Zn, 5.8% Pb, 0.5% Cu and 137.0 g/t Ag. Records indicate there was ore remaining in the deposit although accessibility is problematic. In 2000 the property was completely mapped on 100m spaced grid lines. The mapping was accompanied by a complete compilation of previous geophysics and drilling. In 2008 Copper Reef carried out an Airborne Electromagnetic (VTEM) survey over the entire property. The survey indicated a number of prominent anomalies two of which were the Hanson Lake Mine Horizon and further west the South Bay Horizon. Both contain significant zinc mineralization which mapping indicated the possibility they may be the same horizon repeated by folding about a north-south trending syncline. An 1100 m long group of north trending Airborne Electromagnetic Anomalies, just within the western boundary of the property, and dipping eastward into the property. This anomaly marks out the South Bay Horizon forming an exciting target for finding another, possibly larger Hanson Lake-type orebody. A compilation was made of the down-hole geophysical data from the holes drilled into the South Bay Horizon during 2010 and 2011. This down-geophysical-hole survey, performed by Koop Geotechnical Services, can be utilized to vector into VMS style Cu-Zn similar to the Hanson Lake Mine. The data, along with drill holes, plotted in a three dimensional space, show a number of conductive plates (mineralized lenses) plunging to the southwest, identifying several new drill targets.

In two programs in 2010 and 2011 Copper Reef drilled 19 holes, mainly into the South Bay Horizon, all of which contained Copper-Zinc and Silver mineralization in altered felsic volcanic tuffs. The best intersections near surface returned values of 2.01% copper, 0.34% zinc and 19.2 g/t silver over 3.26 m reported from drill hole HCR-10-1 and 1.0% copper, 0.30% zinc and 10.0 g/t silver in drill hole HCR-10-7. One moderately deeper hole (HCR-10-12), drilled below HCR-10-1 and 7, intersected 10.6 m of 0.5% copper, 1.09% zinc and 8.3 g/t silver within a wider zone of copper-zinc stringer mineralization. Down-Hole geophysics modelled to date, indicate two conductive sheets dipping east towards the Hanson Lake Mine horizon. The most western sheet appears stronger at depth and is very continuous, whereas the eastern parallel anomaly appears to plunge to the south. The most southern hole, HCR-10-15, intersected 3.17% copper, 0.06% Zinc and 23.2 g silver over 0.55 m along the eastern anomaly, and 1.5% copper, 0.40% zinc and 17.9 g/t silver over 1.8 m along the western anomaly. The mineralization intersected in HCR-10-15, like mineralized intercepts from all the other holes, is enveloped by widespread low-grade copper- zinc stringers in a strongly altered package of felsic volcanic fragmental units and tuffaceous sediments. A full summary of this property can be found on Copper Reef's website under Current projects.

#### **PLANNED PROGRAM**

Copper Reef will target two off-hole anomalies found in 2011 drilling program These targets would be the deepest drilled on this horizon to date. At depth, the host rocks were much more altered than near surface containing staurolite and anthophyllite associated with disseminated chalcopyrite. This increase in intensity of volcanogenic massive sulphide (VMS) style alteration is indicative of proximity to VMS mineralization and can be used as well as down-hole geophysics to vector in on VMS targets. Three holes have been designed to test the off-hole conductor plates, with one contingent to follow up on mineralization or additional down hole conductors These targets are drill-ready and this horizon can be drilled throughout the year. Drilling of the Main Mine Horizon below the original mine workings at depth, which remains untested, will require drilling from the ice in winter as well as addition ground Transient Electromagnetic surveys and will therefore not be part of this initial program. Saskatchewan

will award a qualifying explorer 25% of the drilling cost as a grant up to a cap of \$50,000. In order to receive this \$50,000; Copper Reef will need to spend \$200,000 on drilling.

#### **MANITOBA EXPLORATION**

Copper Reef will follow up work on the Amulet Property in the main Flin Flon Camp of Manitoba, where the Company carried out a drill program this past winter (see press release April 24, 2019). Most of the work will be in the form of detailed sampling and ground investigation of untested VTEM Airborne targets as well as a untested eastern Horizontal Loop Electromagnetic (HLEM) conductor that was not drilled this past winter. Drill hole AM-19-7 collared in copper mineralization in front of this eastern HLEM conductor on targeting the western sulphide conductor which it intersected. Ground Transient EM in planned to be carried out to provide clearer definitions of the remaining untested VTEM targets.

**On June 6, 2019** inconjunction with the Company's announcement about the intended financing, a section, Use of Proceeds was included.

Use of proceeds from this financing will used to target two off-hole anomalies found in 2011 drilling program as announced in the Company's June 3rd, 2019 press release. Three holes have been designed to test the off-hole conductor plates. These targets are drill-ready and this horizon can be drilled throughout the year. Drilling of the Main Mine Horizon below the original mine workings at depth, which remains untested, will require drilling from the ice in winter and will not be part of this initial program. Saskatchewan will award a qualifying explorer 25% of the actually drill cost only, as a grant up to a cap of \$50,000. In order to receive this \$50,000; Copper Reef will need to spend \$200,000 on drilling.

A lesser amount of the proceeds from this financing will also be used to follow up work on the Amulet Property in the main Flin Flon Camp of Manitoba, where Copper Reef carried out a drill program this past winter (see press release April 24, 2019). Most of the work will be in the form of detailed sampling and ground investigation of untested VTEM Airborne targets as well the area of a second more eastern Horizontal Loop electromagnetic conductor anomaly that was not drilled this past winter. Ground Transient EM may be carried out to provide clearer definitions of the remaining untested targets.

A portion of the proceeds will be used for corporate purposes.

#### **QUALITY CONTROL**

The Company employs QA/QC protocol on all aspects of its analytical procedures. Core samples are sawn and one half of the HQ core is restored to the core boxes for future reference and the other half sent out for analysis. Samples of veining or mineralization are taken in approximately 50 cm intervals or less. Sample preparation and analytical work is conducted at TSL Labs in Saskatoon, Saskatchewan utilizing fire assaying with a two assay ton charge, with an AA finish. In addition, pulps of the samples are analysed using a multi-acid digest/ ICP-AES and AAS techniques for trace elements.

Commercially prepared standards representing 3 ranges of gold grades are inserted at intervals of 1 in 10 samples. A blank standard is inserted every 20 samples. Stephen Masson M.Sc., P.Geo. President of Copper Reef is the Qualified Person for the Company. He has reviewed the drill core and confirms the assay results.

Stephen L. Masson, P.Geo, also a director of the Company, is the Qualified Person, as defined by National Instrument 43-101 ("NI 43-101"). He has reviewed and approved the technical information relating to the evaluation and exploration assets disclosed in the Company's MD&A.

## 7. RESULTS OF OPERATIONS

Operational results reflect overhead costs incurred for mineral property acquisitions and associated exploration expenses as well as other regulatory expenses incurred by the Company.

General and administrative costs can be expected to fluctuate relationally with acquisitions, exploration and operations.

### REVENUES

The Company is currently engaged in mineral property acquisition and exploration and does not have revenues from its operations. Net revenues shown in the Statements of Loss and Comprehensive Loss relate to un-realized Gains/(losses) with marketable securities, and option payments by third parties (cash and shares).

### SUMMARY OF QUARTERLY RESULTS

The following table sets out selected quarterly information for the preceding eight quarters ended May 31, 2019:

	Q2 May 31, 2019	Q1 February 28, 2019	Q4 November 30, 2018	Q3 August 31, 2018
Operating (loss)/income	<b>(29,534)</b>	(113,444)	65,450	49,591
Realised/Unrealised gain/(loss) on Securities & Other (*)	<b>(10,720)</b>	(127,375)	158,100	(36,700)
Net income/(loss) for the period	<b>(40,254)</b>	(240,819)	92,650	(86,291)
Net Income/(loss), fully diluted	<b>(40,254)</b>	(240,819)	116,650	(86,291)
Net loss per share, fully diluted	<b>&lt;0.001</b>	(0.002)	(0.001)	(0.001)
Weighted average shares outstanding	<b>158,161,517</b>	154,646,300	150,211,300	150,211,300

	Q2 May 31, 2018	Q1 February 28, 2018	Q4 November 30, 2017	Q3 August 31, 2017
Operating (loss)/income	82,591	86,292	17,483	(345,382)
Realised/Unrealised gain on Securities & Other (*)	(23,800)	(50,300)	(158,100)	71,400
Net (loss)/income for the period	(106,391)	(136,592)	(93,317)	(273,982)
Net (loss)/income, fully diluted	(106,391)	(136,592)	(93,317)	(273,982)
Net loss per share, fully diluted	(0.001)	(0.001)	(0.001)	(0.002)
Weighted average shares outstanding	147,002,454	141,881,300	141,881,300	141,881,300

(\*) – Other includes where appropriate – Write-offs from abandoned properties and receipt of option payments

This financial data has been prepared in accordance with International Financial Reporting Standards and all figures are stated in Canadian dollars.

**a) RESULTS OF OPERATIONS FOR THE 3 AND 6 MONTH PERIODS ENDED MAY 31, 2019 AND 2018:**

	2019	2018	Incr'/ (decr') \$	Incr'/ (decr') \$	2019	2018	Incr'/ (decr') \$	Incr'/ (decr') \$
	Q2 3-months				Q2 6-months			
Bank charges	140	409	(269)	-66%	306	511	(205)	(40%)
Filing fees	9,009	5,944	3,065	52%	14,811	10,289	4,522	44%
Management fees	15,000	4,200	10,800	257%	30,000	20,000	10,000	50%
Office and general	12,179	23,202	(11,023)	-48%	25,925	25,490	435	2%
Professional fees	117	23,318	(23,201)	-99%	20,555	38,635	(18,080)	(47%)
Rent and utilities	10,443	10,067	376	4%	21,679	21,514	165	1%
Travel and promotion	430	1,587	(1,157)	-73%	2,112	3,604	(1,492)	(41%)
Generative exploration	(17,785)	13,862	(31,647)	-228%	27,589	34,839	(7,250)	(21%)
	29,534	82,589	-53,055	-74%	142,978	154,882	(11,904)	(8%)

Overall expenditures decreased by \$53,055 (64%) quarter over quarter and \$11,904 (8%) year over year compared to fiscal 2018 primarily due to:

Filing fees increased both quarter over quarter and year over year due to financings including the shares for debt.

Management fees increased both quarter over quarter and year over year due to managements decision to defer these fees

Professional fees decreased both quarter over quarter and year over year due the decision to amortise what are mostly annual costs such as the audit over the full year instead of one specific period. It is anticipated these will not show the swings of th past.

Travel and promotion, both quarter over quarter and year over year through reduction in expenses while at the PDAC

Generative expenses both quarter over quarter and year over year decreased due to the decision to capitalize approximately \$29,000 in expenses from the Amulet claims, the focus of work year to date.

## 8. OUTSTANDING SHARE DATA

### a) AUTHORIZED SHARE CAPITAL

Unlimited share capital with no par value.

As at **JULY 17, 2019**, the Company had the following common shares, stock options and warrants outstanding:

Common shares	159,266,300
Stock options (all vested)	14,050,000
Warrants	11,245,000
<b>Fully diluted shares outstanding</b>	<b>184,561,300</b>

### Summary of common shares outstanding – JULY 17, 2019

<b>Balance November 30, 2018</b>	<b>150,211,300</b>	<b>\$13,875,415</b>
December 31, 2018 - Non Flow-Through	3,590,000	89,750
Fair value of warrants issued		(7,600)
December 31, 2018 - Flow-Through	845,000	42,250
Fair value of warrants issued		(21,500)
<b>February 28, 2019</b>	<b>154,646,300</b>	<b>13,978,315</b>
March 22- 2019 – Non Flow-Through	400,000	10,000
Fair value of warrants issued		(2,400)
March 22- 2019 – Flow-Through	1,100,000	55,000
Fair value of warrants issued		(6,600)
March 22- 2019 – Non Flow-Through	3,120,000	78,000
Fair value of warrants issued		(18,700)
<b>Balance JULY 17, 2019</b>	<b>159,266,300</b>	<b>14,093,615</b>

### b) STOCK OPTIONS AS AT July 17, 2019

Grant Date	Number of Options	Expiry	Weighted Average Exercise Price \$	Remaining Contractual Life - years	Estimated Grant Date Fair Value \$
August 2, 2017	13,050,000	August 1, 2022	0.05	3.19	261,000
January 16, 2018	1,000,000	January 15, 2023	0.05	3.65	14,000
Total	14,050,000		0.05	3.22	275,000

### c) WARRANTS AS AT JULY 17, 2019

The Company's warrant activity to July 17, 2019, is summarized as follows:

<b>Balance November 30, 2017</b>	<b>16,572,000</b>		<b>0.05</b>	<b>230,900</b>
Expired March 9, 2018	(860,000)			(19,600)
Expired April 4, 2018	(8,200,000)			(82,600)
Expired May 11, 2017	(250,000)			(2,800)
Issued April 6, 2018	1,950,000	April 5, 2019	0.05	40,300
Issued April 6, 2018	6,380,000	April 5, 2019	0.05	15,500
Issued April 6, 2018	240,000	April 5, 2020	0.05	1,500
Expired August 24, 2018	(400,000)		0.05	(9,800)
<b>Balance November 30, 2018</b>	<b>15,432,000</b>			<b>173,400</b>
Issued December 31, 2018, Flow Through	845,000	Dec. 31, 2020	0.05	7,600
Issued December 31, 2018 Non Flow Through	3,590,000	Dec. 31, 2019	0.05	21,500
<b>Balance February 28, 2019</b>	<b>19,867,000</b>		<b>0.05</b>	<b>202,500</b>
Issued March 22, 2019 - non-flow through	400,000	March. 21 2021	0.05	2,400
Issued March 22, 2019 - flow through	1,100,000	March 21 2020	0.05	6,600
Issued March 22, 2019 - shares for debt	3,120,000	March 21 2020	0.05	18,700
Expired April 4, 2019 - Flow through	(900,000)			(20,700)
Expired April 4, 2019 - Broker Warrants	(400,000)			(4,100)
Issued April 6, 2018	(6,380,000)			(15,500)
Expired May 26, 2017	(1,750,000)	May 25, 2019	0.05	(43,700)
Expired May 26, 2017	(3,500,000)	May 26, 2019	0.05	(43,700)
Expired May 27, 2017 broker warrants	(312,000)	May 26, 2019	0.05	(3,900)
<b>Balance July 17, 2019</b>	<b>11,245,000</b>		<b>0.05</b>	<b>98,600</b>

## 9. CHANGES TO ACCOUNTING POLICIES

The Company has adopted certain accounting policies to be consistent with IFRS effective December 1, 2016. However, these changes to its accounting policies have not resulted in any significant change to the recognition and measurement of assets, liabilities, equity, revenue and expenses within its financial statements.

## 10. OFF-BALANCE SHEET ARRANGEMENTS AND PROPOSED TRANSACTIONS

As at July 17, 2019, the Company has no off-balance sheet arrangements, nor any proposed transactions.

## 11. RELATED PARTY BALANCES

### RELATED PARTY BALANCES

Related party	Purpose	May 31, 2018		November 30, 2018	
		Amounts charged during the year \$	Amounts payable or accrued at year-end \$	Amount Charged during the year \$	Amounts payable/ accrued at year end \$
Corporation controlled by an officer	Filing fees	1,168	33	6,185	16,807
Accounting firm of which an officer of the Company is a partner	Professional fees		952	8,987	41,587
Corporation controlled by a director and significant shareholder	Management fees, Director	43,589	157,939	54,805	122,013
	Exploration	105,681	36,851	197,978	19,359
	Office, rent and general expenses	55,174	32,690	85,045	40,578
<b>Totals</b>		<b>205,612</b>	<b>228,466</b>	<b>353,000</b>	<b>240,343</b>

During the period ended May 31, 2019, the Company recorded director's fees of \$nil (2018 - \$nil).

The accounts payable and accrued liabilities to related parties are unsecured and non-interest bearing with no fixed terms of repayment

The remuneration of directors and other members of management for the six months ended May 31, 2019 and 2018, were as follows:

	2019	2018
Short term employee benefits	43,589	11,107
Share-based compensation	–	14,000
<b>Totals</b>	<b>43,589</b>	<b>25,107</b>

(1) Includes management expenses of \$13,589

In accordance with IAS 24, 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 having regard to the performance of individuals and market trends.



All of the above transactions are in the normal course of business and are measured at the exchange amounts established and agreed to by the related parties.

## **12. COMMITMENTS AND CONTINGENCIES**

### **a) COMMITMENTS**

#### **Consulting Agreement**

The Company entered into an exploration management services agreement dated December 31, 2010 with M'Ore and the President and significant shareholder of M'Ore, who is an officer, director and shareholder of the Company. Pursuant to the agreement, M'Ore provides consulting and management services to the Company and incurs various administrative expenses, including administrative salaries and office and vehicle rentals on behalf of the Company. The term of the agreement was for a period of two years ended December 31, 2012. This agreement has been extended to December 31, 2019 and has an automatic renewal each year unless either party submits 90 day's notice of termination..

The Agreement puts a cap on management fees and salaries incurred by M'Ore of \$200,000 per annum. Additional charges to the Company consists of a lease with M'Ore whereby the Company pays \$30,000, plus operating expenses, per annum for rental of office and storage space. The lease also specifies rates to be charged for the use of various equipment if utilized by the Company.

#### **Contingencies**

The Company's exploration activities are subject to various federal, provincial and international laws and regulations governing the protection of the environment. These laws and regulations are continually changing and generally becoming more restrictive. The Company conducts its operations so as to protect public health and the environment and believes its operations are materially in compliance with all applicable laws and regulations. The Company has made, and expects to make in the future, expenditures to comply with such laws and regulations.

### **b) FLOW-THROUGH EXPENDITURES**

During the calendar year ended December 31, 2018 the Company renounced Canadian exploration expenditures in the aggregate amount of \$97,500 (2017 – \$132,500) related to proceeds from the issuance of flow-through shares pursuant to the financings described in Note 9(b)(i). The Company had incurred \$95,819 of these qualifying Canadian exploration expenditures as at November 30, 2018. The remaining \$1,681 in expenses were incurred during December, 2018. If the Company does not incur the required qualifying expenditures, it will be required to indemnify the holders of the flow-through shares for any tax and other costs payable by them as a result of the Company not making the required expenditures.

### **c) RISKS AND UNCERTAINTIES**

The Company is in the business of acquiring, exploring and developing gold and base metal properties. It is exposed to a number of risks and uncertainties that are common to other mineral exploration companies in the same business. The industry is capital intensive at all stages and is subjected to variations in commodity prices, market sentiment, exchange rates for currency, inflations and other risks. The Company currently has no source of revenue other than interest income. The Company will rely mainly on equity financing to fund exploration activities on its mineral properties.

The risks and uncertainties described in this section are considered by management to be the most important in the context of the Company's business. The risks and uncertainties below are not inclusive of all the risks and uncertainties the Company may be subject to and other risks may apply.

#### **1. Financial risks**

The Company's financial instruments consist of cash, marketable securities, amounts receivable, and accounts payable and accrued liabilities. The carrying values of cash, amounts receivable, and accounts payable and accrued liabilities approximate their estimated fair values due to the relatively short period to maturity of those financial instruments.

The Company is exposed to credit risk with respect to its cash and amounts receivable. Cash has been placed on deposit with a single Canadian, financial institutions. Credit risk arises from the non-performance of counterparties of contractual financial obligations. The Company manages credit risk, in respect of cash by purchasing term deposits held at a major Canadian financial institution.

Amounts receivable consist of amounts due from the Company's brokerage house, Financier Banque National. Management believes that the credit risk concentration with respect to these financial instruments is minimal.

The Company is not exposed to significant interest rate risk due to the short-term maturity of these monetary assets. Fluctuations in market rates do not have a significant impact on estimated fair values at November 30, 2018. Future cash flows from interest on cash will be affected by interest rate fluctuations. The Company manages interest rate risk by investing in highly liquid investments with maturities of three months or less.

Foreign exchange risk is the risk arising from changes in foreign currency fluctuations. The Company does not use any derivative instruments to reduce its exposure to fluctuations in foreign currency rates.

Other price risk is the risk that the estimated fair value or future cash flows of a financial instrument will fluctuate because of changes in market prices, other than those arising from interest rate risk or currency risk. The Company is not exposed to significant other price risk.

Liquidity risk is the risk that an entity will encounter difficulty in raising funds to meet commitments associated with financial instruments. The Company manages liquidity by maintaining adequate cash balances to meet liabilities as they become due. The Company's expected source of cash flow in the upcoming year will be through equity financings. The Company had a working capital deficit at May 31, 2019 of \$228,314 ( 2018 – 59,810 deficit). The company anticipates financings over the year, which further increases the Company's ability to meet short-term business requirements.

Risk to the Company from its marketable securities is derived from two factors:

- The ability of the issuer to sustain itself financially; and
- The ability to monetize the securities of the issuer.

As at May 31, 2019 the Company held shares in the following public companies.

Jaxon Minerals Inc.	JAX
Rockcliff Metals Corp.	RCLF (1)
Callinex Mines Inc.	CNX

Activity in marketable securities is summarized as follows:

Securities issuer	May 31 2019					November 30, 2018		
	Number of shares November 30, 2018	Acquired/ (Sold) during period	Number of shares May 31 2019	Value \$	Unrealized gain/(loss) \$	Number of shares held	Value \$	Unrealized gain/(loss) \$
JAX	20,000	–	20,000	1,100	(300)	20,000	1,400	(3,700)
RCLF (1)	533,333	(255,166)	278,167	25,035	(75,105)	1,600,000	192,000	72,000
CNX	100,000	–	100,000	6,500	(2,500)	100,000	9,000	(21,000)
Total	–	–	–	32,635	(77,905)	–	202,400	47,300

(1) The shares of Rockcliff Metals Corp. were consolidated 3:1

## 2. Going Concern

The Company's capability to continue as a going concern is dependent upon its ability to obtain additional debt or equity financing to meet its obligations as they come due. If the Company is unable to continue as a going concern, then significant adjustments would be required to the carrying value of assets and liabilities, and to the statements of financial position classifications currently used.

Copper Reef has no history of profitable operations and its present business is at an early stage. As such, the Company is subject to many risks common to other companies in the same business, including under-capitalization, cash shortages, and limitations with respect to personnel, financial and other resources and the lack of revenues.

The Company plans to obtain financing in the future primarily through further equity financing, as well as through joint venturing and/or optioning out the Company's properties to qualified mineral exploration companies. There can be no assurance that the Company will succeed in obtaining additional financing, now or in the future. Failure to raise additional financing on a timely basis could cause the Company to suspend its operation and eventually to forfeit or sell its interest in its mineral properties.

Management has maintained a strict cost control program to effectively control expenditures. The Company manages liquidity by maintaining adequate cash balances to meet liabilities as they become due.

The Company's expected source of cash flow for the upcoming year ended November 30, 2019 will be through equity financings.

The Company maintained cash at May 31, 2019 in the amount of \$8,423 (2018 – \$129,349), in order to meet short-term business requirements. At May 31, 2019, the Company had accounts payable and

accrued liabilities of \$279,133, of which \$228,466 were due to related parties (2018 – \$281,624, of which \$213,810 were due to related parties). All accounts payable and accrued liabilities are current.

### **3. Exploration and Mining Risks**

The business of exploration for minerals and mining involves a high degree of risk. Few properties that are explored are ultimately developed into producing mines. At present, the Company's properties have no known body of commercial ore. Unusual or unexpected formations, formation pressures, fires, power outages, labor disruptions, flooding, explorations, cave-ins, landslides and the inability to obtain suitable adequate machinery, equipment or labor are other risks involved in the operation of mines and the conduct of exploration programs. The Company has relied on and may continue to rely upon consultants and others for exploration and development expertise. Substantial expenditures are required to establish ore reserves through drilling, to develop metallurgical processes to extract the metal from the ore and, in the case of new properties, to develop the mining and processing facilities and infrastructure at any site chosen for mining. Although substantial benefits may be derived from the discovery of a major mineral deposit, no assurance can be given that minerals will be discovered in sufficient quantities to justify commercial operations or that funds required for development can be obtained on a timely basis. The economics of developing gold, copper and other mineral properties is affected by many factors including the cost of operations, variations in the grade of ore mined, fluctuations in metal markets, costs of processing equipment and such other factors as government regulations, including regulations relating to royalties, allowable production, importing and exporting of minerals and environmental protection. The Company has no producing mines at this time. All of the properties in which the Company may earn an interest are at the exploration stage only. Most exploration projects do not result in the discovery of commercially mineable deposits of ore.

### **4. Development Risks**

The marketability of any minerals which may be acquired or discovered by the Company may be affected by numerous factors which are beyond the control of the Company and which cannot be accurately predicted, such as market fluctuations, the proximity and capacity of milling facilities, mineral markets and processing equipment, and such other factors as government regulations, including regulations relating to royalties, allowable production, importing and exporting of minerals, and environmental protection.

### **5. Loss of Interest in and Value of Properties**

The Company's ability to maintain its interests in its mineral properties and to fund ongoing exploration costs will be entirely dependent on its ability to raise additional funds by equity financings. If the Company is unable to raise such funds it may suffer dilution or loss of its interest in its mineral properties. The amounts attributed to the Company's interests in mineral properties in its financial statements represent acquisition and exploration costs, and should not be taken to reflect realizable value.

### **6. Financing Risks**

The Company has no history of earnings and no source of operating cash flow and, due to the nature of its business, there can be no assurance that the Company will be profitable. The Company has paid no dividends on its shares since incorporation and does not anticipate doing so in the foreseeable future. The only present source of funds available to the Company is through the sale of its equity shares. Even if the results of exploration are encouraging, the Company may not have sufficient funds to conduct the further exploration that may be necessary to determine whether or not a commercially mineable deposit exists. While the Company may generate additional working capital through further equity

offerings or through the sale or possible syndication of its property, there is no assurance that any such funds will be available. If available, future equity financings may result in substantial dilution to purchasers under the Offering. At present it is impossible to determine what amounts of additional funds, if any, may be required.

#### **7. Metal Prices**

The mining industry in general is intensely competitive and there is no assurance that, even if commercial quantities of ore are discovered, a profitable market may exist for the sale of minerals produced by the Company. Factors beyond the control of the Company may affect the marketability of any substances discovered. Mineral prices, in particular gold prices, have fluctuated widely in recent years. The marketability of minerals is also affected by numerous other factors beyond the control of the Company. These other factors include government regulations relating to price, royalties, allowable production and importing and exporting of minerals.

#### **8. Uninsurable Risks**

In the course of exploration, development and production of mineral properties, certain risks, and in particular, unexpected or unusual geological operating conditions including rock bursts, cave-ins, fires, flooding and earthquakes may occur. It is not always possible to fully insure against such risks and the Company may decide not to take out insurance against such risks as a result of high premiums or other reasons. Should such liabilities arise, they could reduce or eliminate any future profitability and result in increasing costs and a decline in the value of the securities of the Company.

#### **9. Environmental and Other Regulatory Requirements**

Existing and possible future environmental legislation, regulations and actions could cause significant expense, capital expenditures, restrictions and delays in the activities of the Company, the extent of which cannot be predicted and which may well be beyond the capacity of the Company to fund. The Company's right to exploit the mining properties is subject to various reporting requirements and to obtaining certain government approvals and there is no assurance that such approvals, including environmental approvals, will be obtained without inordinate delay or at all.

#### **10. No Assurance of Titles, Boundaries or Surface Rights**

The Company has investigated rights of ownership of all of the mineral properties in which it has an interest and, to the best of its knowledge, all agreements relating to such ownership rights are in good standing. However, all properties may be subject to prior claims or agreement transfers, and rights of ownership may be affected by undetected defects. While to the best of the Company's knowledge, title to all properties in which it has the right to acquire an interest is in good standing, this should not be construed as a guarantee of title. Other parties may dispute title to the mining properties in which the Company has the right to acquire an interest. The properties may be subject to prior unregistered agreements or transfers or native land claims and title may be affected by undetected defects or the statutes referred to above.

#### **11. Permits and Licenses**

The operations of the Company may require licenses and permits from various governmental authorities. There can be no assurance that the Company will be able to obtain all necessary licenses and permits that may be required to carry out exploration, development and mining operations at its projects.

**12. Inability to Meet Cost Contribution Requirements**

The Company may, in the future, be unable to meet its share of costs incurred under agreements to which it is a party and the Company may as a result, be subject to loss of its rights to acquire interests in the properties subject to such agreements.

**13. Reliance on Key Personnel**

The nature of the business of the Company, the ability of the Company to continue its exploration and development activities and to thereby develop a competitive edge in the marketplace depends, in a large part, on the ability of the Company to attract and maintain qualified key management personnel. Competition for such personnel is intense, and there can be no assurance that the Company will be able to attract and retain such personnel. The development of the Company now and in the future, will depend on the efforts of key management figures, the loss of whom could have a material adverse effect on the Company. The Company does not currently maintain key-man life insurance on any of the key management employees.

**d) CONFLICTS OF INTEREST**

Copper Reef's directors and officers may serve as directors or officers, or may be associated with, other reporting companies, or have significant shareholdings in other public companies. To the extent that such other companies may participate in business or asset acquisitions, dispositions, or ventures in which Copper Reef may participate, the directors and officers of Copper Reef may have a conflict of interest in negotiating and concluding on terms with respect to the transaction. If a conflict of interest arises, Copper Reef will follow the provisions of the *Business Corporations Act (BC)* ("Corporations Act") dealing with conflict of interest. These provisions state that where a director has such a conflict, that director must, at a meeting of Copper Reef's directors, disclose his or her interest and refrain from voting on the matter unless otherwise permitted by the Corporations Act. In accordance with the laws of the Province of Manitoba, the directors and officers of Copper Reef are required to act honestly, in good faith, and in the best interest of Copper Reef.

**e) FUTURE ACCOUNTING PRONOUNCEMENTS**

Certain pronouncements were issued by the IASB or the IFRIC that are mandatory for accounting periods on or after December 1, 2018 or later periods. Many are not applicable or do not have a significant impact to the Company and have been excluded. The following have not yet been adopted and are being evaluated to determine their impact on the Company.

- IFRS 16 – Leases ("IFRS 16") was issued in January 2016 and replaces IAS 17 – Leases as well as some lease related interpretations. With certain exceptions for leases under twelve months in length or for assets of low value, IFRS 16 states that upon lease commencement a lessee recognises a right-of-use asset and a lease liability. The right-of-use asset is initially measured at the amount of the liability plus any initial direct costs. After lease commencement, the lessee shall measure the right-of-use asset at cost less accumulated depreciation and accumulated impairment. A lessee shall either apply IFRS 16 with full retrospective effect or alternatively not restate comparative information but recognise the cumulative effect of initially applying IFRS 16 as an adjustment to opening equity at the date of initial application. IFRS 16 requires that lessors classify each lease as an operating lease or a finance lease. A lease is classified as a finance lease if it transfers substantially all the risks and rewards incidental to ownership of an underlying asset. Otherwise it is an operating lease. IFRS 16 is effective for annual periods beginning on or after January 1, 2019. Earlier adoption is permitted if IFRS 15 has also been applied.

## **f) FORWARD LOOKING STATEMENTS**

Statements contained in this MD&A that are not historical facts are forward-looking statements (within the meaning of the Canadian securities legislation and the U.S. Private Securities Litigation Reform Act of 1995) that involve risks and uncertainties. Forward-looking statements include, but are not limited to, statements with respect to the future price of metals; the estimation of mineral reserves and resources, the realization of mineral reserve estimates; the timing and amount of estimated future production, costs of production, and capital expenditures; costs and timing of the development of new deposits; success of exploration activities, permitting time lines, currency fluctuations, requirements for additional capital, government regulation of mining operations, environmental risks, unanticipated reclamation expenses, title disputes or claims, limitations on insurance coverage and the timing and possible outcome of pending litigation. In certain cases, forward-looking statements can be identified by the use of words such as "plans", "expects" or "does not expect", "is expected", "budget", "scheduled", "estimates", "forecasts", "intends", "anticipates" or "does not anticipate", or "believes", or variations of such words and phrases or state that certain actions, events or results "may", "could", "would", "might" or "will be taken", "occur" or "be achieved". Forward-looking statements involve known and unknown risks, uncertainties and other factors which may cause the actual results, performance or achievements of the Company to be materially different from any future results, performance or achievements expressed or implied by the forward-looking statements. Such risks and other factors include, among others, risks related to the integration of acquisitions; risks related to operations; risks related to joint venture operations; actual results of current exploration activities; actual results of current reclamation activities; conclusions of economic evaluations; changes in project parameters as plans continue to be refined; future prices of metals; possible variations in ore reserves, grade or recovery rates; failure of plant, equipment or processes to operate as anticipated; accidents, labor disputes and other risks of the mining industry; delays in obtaining governmental approvals or financing or in the completion of development or construction activities, as well as those factors discussed in the sections entitled "Risks and Uncertainties" in this MD&A. Although the Company has attempted to identify important factors that could affect the Company and may cause actual actions, events or results to differ materially from those described in forward-looking statements, there may be other factors that cause actions, events or results not to be as anticipated, estimated or intended. There can be no assurance that forward-looking statements will prove to be accurate, as actual results and future events could differ materially from those anticipated in such statements. Accordingly, readers should not place undue reliance on forward-looking statements. The forward-looking statements in this MD&A speak only as of the date hereof. The Company does not undertake any obligation to release publicly any revisions to these forward-looking statements to reflect events or circumstances after the date hereof to reflect the occurrence of unanticipated events.

Forward-looking statements and other information contained herein concerning the mining industry and general expectations concerning the mining industry are based on estimates prepared by the Company using data from publicly available industry sources as well as from market research and industry analysis and on assumptions based on data and knowledge of this industry which the Company believes to be reasonable. However, this data is inherently imprecise, although generally indicative of relative market positions, market shares and performance characteristics. While the Company is not aware of any misstatements regarding any industry data presented herein, the industry involves risks and uncertainties and is subject to change based on various factors.