



MANAGEMENT DISCUSSION AND ANALYSIS

DECEMBER 31, 2021

Mineworx Technologies Ltd.
Management Discussion and Analysis
Year ended December 31, 2021

Introduction

This Management Discussion and Analysis Report has been prepared to provide material updates and analysis of the business operations, financial condition, financial performance, cash flows, liquidity, and capital resources of Mineworx Technologies Ltd. and its subsidiaries (“Mineworx” or the “Company”).

The information provided herein should be read in conjunction with the Company’s condensed audited consolidated financial statements and the notes thereto for the year ended December 31, 2021, and the Annual MD&A for the year ended December 31, 2020.

The statements have been prepared in accordance with International Financial Reporting Standards (“IFRS”).

Mineworx is listed on the TSX Venture Exchange under the symbol “MWX”, on the OTCQB Exchange under the symbol “MWXRF” and on the Frankfurt Stock Exchange under the symbol “YRS”. The Company is engaged in the development and deployment of innovative material processing technologies and the exploration, acquisition, and development of mineral properties.

Except as otherwise disclosed, all dollar figures in this report are stated in Canadian dollars. The effective date of this report is April 27, 2022.

Statements in this report, that are not historical facts, are forward-looking statements involving known and unknown risks and uncertainties which could cause actual results to vary considerably from these statements. Readers are cautioned not to put undue reliance on forward-looking statements. See “Forward-Looking Information and Statements” herein.

Additional information is available on the Company website www.mineworx.net or for view on SEDAR at www.sedar.com.

Corporate Overview

In December 2015, as part of a new business strategy to pursue CleanTech opportunities for the mining sector the Company acquired a private company. This private company had developed the HM X-tract, an eco-friendly portable heavy mineral extraction technology. The new business line of material processing technology was intended as a diversification strategy to complement the existing mining exploration model and the Spanish mineral assets.

The now patented HM X-tract process, which includes integrated water clarification and filtration technologies, allows operators to recycle most of the process water used at a typical mine site. This conserves water, minimizes environmental discharge, and significantly reduces or eliminates the necessity for tailings ponds. Mineworx also developed additional processing technology which included

Mineworx Technologies Ltd.
Management Discussion and Analysis
Year ended December 31, 2021

the creation of the HM-Xmill, which is designed to crush materials finer when compared to traditional ball mills at a lower energy consumption.

Since the acquisition, Mineworx has adapted the initial processing technologies developed for the mining industry to pursue opportunities for precious metal recoveries in alternative sectors. The Company focus on the recovery of platinum and palladium from catalytic converters is the result of this development work.

Mineworx has partnered with Davis Recycling Inc. (Davis), a large recycling company based in Tennessee, USA, to create PGM Renewal LLC. Mineworx will hold 55% of this new company which combines the Davis expertise in supply chain management required to secure the feedstock with Mineworx's years of technology experience to commercialize the project.

Catalytic Converter Project

During 2021, fabrication personnel completed the fabrication of the 100L pilot plant. Although fabrication experienced some delays because of delivery of parts sourced from China created by COVID-19 restrictions and shipping availability issues. The testing program commenced in the third quarter, the testing program was comprised of four stages – Integrity, Process, Baseline, and Optimization. Stages 1 thru 3 were successfully completed in the Vancouver area.

With the successful completion of the first three stages, the 100L pilot plant was relocated to Tennessee in the fourth quarter of 2021 for the Optimization stage of the testing plan. The pilot plant was relocated to Tennessee to allow for better access to the supply of the required feedstock.

A location was secured in Johnson City, Tennessee to house the 100L pilot plant allow for future testing and analysis work to continue. Utilizing this facility required additional permitting from the local government which has led to delays in commencing the Optimization stage of the testing plan.

During the year laboratory and technical personnel remained busy analyzing opportunities to improve the effectiveness of the precious metal recovery processes utilized.

EnviroMetal Relationship

As part of a strategic review, the Company decided to spin out the HM X-leach technology it had developed to the newly formed public entity Enviroleach Technologies Inc. (now EnviroMetal) in the first quarter of 2017. This transaction allowed for the shareholders of Mineworx to continue to share in the promising upside of the chemical leaching technology while the Company kept a right to use the technology in its operations.

Later in 2017, EnviroMetal requested that Mineworx perform material processing testing utilizing the HM-Xmill technology. The test results indicated that the Mineworx technology enhanced the recovery

Mineworx Technologies Ltd.
Management Discussion and Analysis
Year ended December 31, 2021

of precious metals in E-Waste material. Based on the new information, EnviroMetal and Mineworx agreed to create a joint venture to pursue opportunities in the E-Waste sector. The Mineworx equity share of the joint venture is 20%.

In the first quarter of 2020, the Mineworx technical crew completed the fabrication of the E-Waste processing facility in Surrey, British Columbia for the joint venture. The plant started processing e-waste materials in 2020 but was shutdown later in the year due to the inability to secure an adequate supply of the feedstock caused by COVID-19 related supply chain disruptions.

Mineworx and EnviroMetal are currently disputing operational and financial issues related to the e-waste joint venture. As part of this dispute, EnviroMetal has not provided the Company access to the financial information of the joint venture.

On May 10, 2021, the Company provided notice to EnviroMetal that Mineworx was exercising its “Put Option” under the joint venture agreement which requires EnviroMetal to purchase the 20% Mineworx ownership share at fair market value.

In February 2020, Mineworx entered into a non-binding Letter of Intent (LOI) with EnviroMetal to develop technology related to extraction of Platinum and Palladium from catalytic converters. After preliminary work was completed by Mineworx personnel in the EnviroMetal facility, it was decided that Mineworx would cease its relationship with EnviroMetal regarding the future development of the catalytic converter recycling business.

On June 22, 2021, EnviroMetal filed a Statement of Claim against the Company and certain employees of the Company alleging breach of confidentiality regarding the LOI. Mineworx maintains that the lawsuit is without merit and its legal team prepared a statement of defense against the claim.

On January 21, 2022, as part of the ongoing legal proceedings with EnviroMetal, the Supreme Court of British Columbia granted EnviroMetal an interim injunction that requires the Company not to disclose to third parties the disputed confidential information. This interim injunction has not affected the Company’s ability to move the catalytic converter project forward.

Exploration and Evaluation Assets

In the first half of 2021, development on the Cehegin iron ore project in Southern Spain increased. The engineering firm, CRS Ingenieria, completed an analysis of a previous aeromagnetic survey that showed that the concessions owned by the Company contained more resources than previously reported. In March of 2021, the Company received all permits and approvals to allow for additional exploration work to commence. With the approvals granted the first drill program of approximately 2,200 meters in 21 holes started. This program is intended to confirm historical information and allow for a NI 43-101 compliant reserve report. A further drill program is being planned to quantify the additional reserves highlighted in the aeromagnetic survey.

Mineworx Technologies Ltd.
Management Discussion and Analysis
Year ended December 31, 2021

On January 17, 2022, the Company announced it signed a letter of intent to sell the Cehegin Iron Ore asset for 20,000,000 shares in newly formed company (Iron Bull Mining Inc.) that is intended to be listed on a Canadian Securities Exchange.

The Cehegín Iron Ore Concessions, Spain

Mineworx's wholly owned subsidiary, Solid Mines Espana, S.A.U. ("SME"), through the wholly owned subsidiary Magnetitas del Cehegín, S.L., ("MDC"), holds all of the rights and interests associated with the Cehegin 61 iron ore concessions in south-eastern Spain. In total the Cehegin iron ore property represents 61 exploitation concessions representing a surface area of 1,030 hectares. The Company has applied for an expansion of the local area creating a continuous area of 6,900 hectares.

In September 2015, Mineworx regained a 100% interest in Cehegin Iron Ore Holdings, S.L. ("CIOH") the Spanish holding company formed under the terms of the Joint Venture Agreement ("the JVA") with Glencore International AG ("Glencore"). By mutual agreement, Mineworx through SME has acquired Glencore's 20% interest in CIOH for nominal consideration and now maintains 100% ownership in the Cehegin Iron Ore Project located in the Province of Murcia, in south-eastern Spain. In connection with the acquisition of Glencore's 20% interest in CIOH, each of the parties has agreed to terminate all agreements related to the JVA, except for Glencore's exclusive off-take agreement, which will remain in effect. In 2018 CIOH was amalgamated into MDC.

SME will be required to pay an additional amount of up to €2,700,000 once a mining permit is submitted and granted for all 62 concessions, a reduction over the previously announced cost of €3,000,000. If SME proceeds with the new magnetite mining project, this additional payment would be made within four months from the decision notice date on which the permits or licenses are issued. This additional amount will be reduced to €1,800,000 if SME proceeds with the project but does not obtain all mining permits for the total 62 concessions in its initial submission. No net royalties will be due on any proceeds from commercialization of the project.

The Company's Spanish Geological team have analyzed the 38,000 meters of historical drilling on the Cehegin Iron Ore concessions. 100% of the drill holes on three of the 61 concessions have been digitized allowing for the completion of 3D modelling. The Company's analysis of the historical data confirmed a vast potential expansion of the ore bodies which are open in all directions including depth.

The Cehegín iron ore concession has good access to infrastructure including rail options to European markets and the deep-sea Port of Cartagena is 115 Km from the property. The concession is in the south-eastern area of the mineral rich Iberian Peninsula; this region has a long history of iron ore production that was once the dominant supplier to all of Europe. The Company was able to obtain the detailed historical mining and exploration data of the area, compiled by the previous operational owner, Altos Hornos de Vizcaya.

Mineworx Technologies Ltd.
Management Discussion and Analysis
Year ended December 31, 2021

The Company completed a high-resolution aeromagnetic survey during the spring of 2015. The main objectives of the airborne survey were to confirm and define the extent of several additional targets that have been identified through the data compilation program. The survey provided excellent resolution of near-surface magnetic sources, representing a major improvement over prior regional aeromagnetic data. Many of the stronger, better defined, discrete magnetic anomalies correspond to known iron ore mines and prospects, such as the important Soledad and Colossus prospects. Most magnetic sources are judged to be quite shallow, or at least have a very shallow, sub-cropping portion. Some of these anomalies are inferred to have a significant gently dipping down-dip or down-plunge extension. Several anomalies are inferred to lie at a moderate depth (25-100m).

The Company has received a technical report for the Cehegín property, prepared by Stanley C. Bartlett M.Sc., PGeo. of Micon International Co Limited, in the United Kingdom, dated April 28, 2014, which has been filed on SEDAR at www.sedar.com on May 20, 2014.

Selected Annual Financial Information

	December 31, 2021	December 31, 2020	December 31, 2019
Revenues from continuing operations	\$ -	\$ -	\$ -
Income (comprehensive loss)	(4,373,338)	(2,823,832)	(2,394,108)
Gain (loss) per share - basic	(0.01)	(0.02)	(0.02)
Exploration and evaluation assets	1,738,831	955,459	934,769
Total assets	9,476,492	5,078,647	7,090,823
Total liabilities	2,421,342	825,359	909,648
Working capital	4,290,170	424,650	1,557,520

Summary of Quarterly Results

The following financial data is selected information for the Company for the eight most recently completed financial quarters:

	Dec 31, 2021	Sept 30, 2021	Jun 30, 2021	Mar 31, 2021	Dec 31, 2020	Sept 30, 2020	Jun 30, 2020	Mar 31, 2020
Total revenue	\$ Nil	\$ Nil	\$ Nil	\$ Nil	\$ Nil	\$ Nil	\$ Nil	\$ Nil
Income (loss) for the period \$,000	(1,463)	(1,188)	(1,167)	(555)	(623)	(716)	(523)	(962)
Income (loss) per share (basic & diluted)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)

Mineworx Technologies Ltd.
Management Discussion and Analysis
Year ended December 31, 2021

Fluctuations in the Company's expenditures reflect the variations in the timing of exploration and development activities, general corporate operations, the timing of share-based payments, and write-down or sale of certain exploration, evaluation, or other assets.

Financial results

The Company had no operating revenue for the year ended December 31, 2021, and 2020. For the year ended December 31, 2021, the Company incurred a net loss of \$4,373,338 (2020 – loss of \$2,823,832)

Total expenses of \$4,174,414 related general administration and sales in the year ended December 31, 2021 (2020 - \$2,026,662). The Company financial performance reflects the focus on activities and spending required to commercialize the catalytic converter project. The Company has invested a total of \$1,528,494 (2020 - \$1,072,457) in the research and development of the catalytic converter. This includes \$543,702 (2020 - \$157,680) capitalized and \$984,792 (2020 - \$841,366) in general administration costs.

Consulting fees were \$500,205 (2020 - \$70,565), the increase relates to additional consulting fees associated with the development of the catalytic business planning and for the strategic review of mining assets. The strategic review resulted in the proposed transaction that will have the newly formed Iron Bull Mining Inc. purchase the Cehegin asset for 20,000,000 shares that a majority of which are planned to be distributed to current Mineworx shareholders when Iron Bull becomes a publicly traded entity.

Interest costs were \$39,726 (2020 - \$82,564), the decrease is due to a reduction of the leases held by the Company and the early retirement of the convertible debentures.

Management and employee costs were \$1,078,479 (2020 - \$1,057,466), during 2021 the composition of the labour force was changed to reflect an increased focus on laboratory versus fabrication which resulted in a slight increase in annual costs when compared to 2020. The employee costs were additional further offset by \$236,584 (2020 - \$296,766) received from government COVID-19 grants that are included in other income.

Office and general costs were \$254,102 (2020 - \$257,477), there was a small decrease in spending on supplies and services in 2021.

Public listing costs were \$458,803 (2020 - \$121,189), this includes investor relations and regulatory filing costs. Increases from 2020 relate to hiring outside resources to provide investor relation services and the additional costs incurred related to the share consolidation and the special meeting required to affect the consolidation.

Professional fees were \$484,644 (2020 - \$144,045), relate to audit and legal fees, the increase in 2021 is a result of increased usage of legal services required in Spain to secure the

Mineworx Technologies Ltd.
Management Discussion and Analysis
Year ended December 31, 2021

development approvals and for advice regarding the statement of claim filed by EnviroMetal and disputes related to the operation of the joint venture.

Project costs were \$320,709 (2020 - \$267,470), these costs reflect the costs related to the research and development undertaken primarily to move the catalytic converter project towards commercialization.

Share-based payments were \$960,234 (2020 - \$3,610), the cost relates to 15,250,000 options granted to employees, directors, and consultants at a weighted average price of \$0.08 and accounted for using the Black-Scholes method. There were 150,000 options at \$0.12 granted in the year ended December 31, 2020.

Travel costs were \$77,512 (2020 - \$22,276), COVID-19 travel restrictions have begun to be eased in some areas allowing for some increased travel when compared to 2020.

In 2020 the Company recorded a loss of \$151,477 for the change in value of the EnviroMetal securities held for sale, all these securities were sold in 2020. The Company neither held nor sold any third-party securities in 2021.

The Company interest income of \$1,028 (2020 – \$8,805) relates to interest on cash balances held by the Company during 2021 and the amount in 2020 included interest on the note payable from EnviroMetal which was fully repaid in 2020.

\$437,596 was expensed as amortization in 2021 (2020 - \$472,291), \$285,521 (2020 - \$285,521) was related to the amortization of the intangible assets and \$151,825 (2020 - \$186,770) was for equipment depreciation. The reduction of equipment depreciation expense resulted from the disposal of some assets in 2020 and other assets being fully depreciated.

The company recognized a loss of \$97,770 (2020 – gain \$245) on foreign exchange primarily based on the changing value of the Euro and USD to the Canadian dollar.

The company recognized a gain of \$47,086 (2020 loss –\$19,215) on the sale of assets, the amount in 2021 relates to the disposal of assets related to the fabrication shop and 2020 is related to disposal of mining equipment stored in Arizona. The company also recognized a loss of \$36,399 (2020 - \$nil) as it marked down some assets held for sale to fair market value.

Other income was \$324,727 (2020 - \$421,791) the decrease is primarily related to the reduction of government COVID-19 subsidy programs for wages and rents that totaled \$295,524 in 2021 (2020 - \$360,198).

EnviroMetal, the operating partner, of the e-waste joint venture did not provide access to the financial records of the operation and as a result the Company reported no contribution from the joint venture

Mineworx Technologies Ltd.
Management Discussion and Analysis
Year ended December 31, 2021

in the year ended December 31, 2021. In 2020 the Company recorded a loss of \$585,028 as its share of the joint venture in minority interest.

Quarterly results

The Company had no operating revenue for the three months ended December 31, 2021, and 2020. For the three months ended December 31, 2021, the Company incurred a net loss of \$1,463,884 (2020 – loss of \$623,461)

Total expenses of \$1,382,654 related general administration and sales in the three months ended December 31, 2020 (2020 - \$567,471). The Company financial performance reflects the focus on activities and spending required to commercialize the catalytic converter project. The Company has invested a total of \$384,777 (2020 - \$324,030) in the research and development of the catalytic converter in the three months ended December 31, 2021. This includes \$42,916 (2020 - \$73,411) capitalized and \$341,861 (2020 - \$250,619) in general administration costs.

Consulting fees were \$324,000 (2020 - \$18,774), the increase relates to additional consulting fees associated with the development of the catalytic business planning and for the strategic review of mining assets. The strategic review resulted in the proposed transaction that will have the newly formed Iron Bull Mining Inc. purchase the Cehegin asset for 20,000,000 shares that a majority of which are planned to be distributed to current Mineworx shareholders when Iron Bull becomes a publicly traded entity.

Interest costs were \$8,405 (2020 - \$17,218), the decrease is due to the retirement of the convertible debentures and decreases in the number of leases held by the Company.

Management and employee costs were \$321,070 (2020 - \$280,232), costs increased in 2021 due to increases in the research and development group to move the catalytic converter project forward. The employee costs were offset by \$7,092 (2020 - \$97,206) received from government COVID-19 grants that are included in other income.

Office and general costs were \$92,276 (2020 - \$67,223), the increase in office and general costs relate to the establishment of a location in Tennessee to conduct the next stage of the testing plan for the catalytic converter project.

Public listing costs were \$59,615 (2020 - \$36,641), this includes investor relations and regulatory filing costs. Increases from 2020 relate to hiring outside resources to provide investor relation services.

Professional fees were \$316,420 (2020 - \$78,013) and relate to audit and legal fees for advice regarding the statement of claim filed by EnviroMetal and disputes related to the operation of the joint venture.

Mineworx Technologies Ltd.
Management Discussion and Analysis
Year ended December 31, 2021

Project costs were \$92,688 (2020 - \$55,071), these costs reflect the costs related to the research and development undertaken to primarily move the catalytic converter project towards commercialization.

Share-based payments were \$149,470 (2020 - \$3,610), the cost relates to 3,750,000 options granted to employees, directors, and consultants at \$0.10 and are accounted for using the Black-Scholes method. There were 150,000 options at \$0.12 granted in the three months ended December 31, 2020.

Travel costs were \$19,070 (2020 - \$7,688), COVID-19 travel restrictions have begun to be eased in some areas allowing for some increased travel when compared to 2020. Increased travel to Tennessee has been required to advance the catalytic converter project.

The Company recorded a gain of \$48,145 (2020 – \$4,962) on the sale of assets, the amount in 2021 relates to the disposal of assets from the fabrication shop and 2020 is related to furniture from the former Edmonton office. The company also recognized a loss of \$36,399 (2020 - \$nil) as it marked down some assets held for sale to fair market value.

\$109,534 was expensed as amortization in 2021 (2020 - \$102,096), \$71,380 (2020 - \$71,380) was related to the amortization of the intangible assets and \$37,903 (2020 - \$30,716) was for equipment depreciation. The increase in equipment depreciation reflects the depreciation associated to lab equipment added.

The company recognized a loss of \$14,072 (2020 – \$27,217) on foreign exchange primarily based on the changing value of the Euro and USD to the Canadian dollar.

Other income was \$35,456 (2020 - \$155,119) the decrease is related to the reductions in rates of government COVID-19 grant programs for wages and rents that totaled \$9,230 in 2021 (2020 - \$118,074).

EnviroMetal, the operating partner, of the e-waste joint venture did not provide access to the financial records of the operation and as a result the Company reported no contribution from the joint venture in the three months ended December 31, 2021. In 2020 the Company recorded a loss of \$89,995 as its share of the joint venture in minority interest.

Exploration and Evaluation Assets

For the year ended December 31, 2021, the Cehegin total expenditures were \$783,372 (2020 - \$20,690), comprised of geological fees and expenses of \$471,041 (2020 - \$10,051), mining rights and taxes of \$53,875 (2020 - \$3,595), and field costs of \$258,456 (2020 - \$7,044). Cehegin was the only mining property development advanced in 2021. The Company began its approved exploratory drilling program resulting in increased spending.

Mineworx Technologies Ltd.
Management Discussion and Analysis
Year ended December 31, 2021

Equipment

For the year ended December 31, 2021, the expenditures on equipment were \$551,044 (2020 - \$158,951) The 2021 capital expenditures were primarily for the fabrication of the 100L catalytic converter pilot plant. The 2020 expenditures were for laboratory equipment and initial design and components of the 100L pilot plant.

Intangible Assets

The 2021 balance was \$902,895 (2020 - \$1,188,416) the reduction is due to the amortization of \$285,521 (2020 - \$285,521) charged against the account.

Most of the intangible assets are the technology assets acquired as part of the original purchase of the private company Mineworx technologies Inc. that was acquired in 2015 and is being amortized over a ten-year life.

Liquidity and Capital Resources

On December 31, 2021, the Company's cash position was \$3,557,178 (2020 - \$520,196) and the working capital was \$4,290,170.

Net cash used in operating activities for the year ended December 31, 2021, was \$3,680,630 (2020 - \$1,220,090), which relates primarily to general and administrative expenses and increases in working capital expenses due to timing of expenditures.

Net cash used in investing activities for the year ended December 31, 2021, was \$1,300,323 (2020 - \$694,746). \$551,044 was spent on fixed assets (2020 - \$146,388) for the fabrication of the catalytic converter pilot plant and \$783,372 on development activities in Spain (2020 - \$20,690).

Net cash provided by financing activities for the year ended December 31, 2021, was \$8,017,935 (2020 - \$2,280,269). The Company received \$4,841,476 from a rights offering (2020 - \$nil) and \$1,200,059 (2020 - \$880,500) in proceeds from private placements. The Company incurred costs of \$126,569 (2020 - \$6,313) related to the rights offering and private placements. \$300,000 was received from the exercise of stock options (2020 - \$nil). The Company drew an additional \$20,000 (2020 - \$40,000) of debt from the Canadian Emergency Business Account "CEBA" and repaid \$120,000 of convertible subordinated debt (2020 - issued \$120,000). The company issued a non-convertible debenture in the amount of \$2,000,000 (2020 - \$nil). Lease payments of \$205,774 (2020 - \$251,667) were offset by proceeds from sub-leases of \$131,224 (2020 - \$216,654).

The Company is in an exploration and development phase and is not generating revenue yet, it is expected that the working capital balance will follow a cycle of reduction and replenishment. Management currently follows a policy of raising only sufficient capital to carry out its near-term plans.

Mineworx Technologies Ltd.
Management Discussion and Analysis
Year ended December 31, 2021

This policy is meant to minimize dilution of shareholders' positions by raising capital when the stock price is at higher levels.

Capital Commitments

The Company had no commitments for property and equipment expenditures for fiscal 2021. The Company expects that any property and equipment expenditures incurred, based on future needs, will be funded from working capital and/or from operating or capital leases.

Transactions with Related Parties

The Company entered into the following transactions with related parties:

Related party balances

The amounts due to officers of the Company are as follows:

	December 31, 2021	December 31, 2020
Included in accounts payables, accrued liabilities, and loans ⁽ⁱ⁾	\$ 15,239	\$ 86,876
	\$ 15,239	\$ 86,876

⁽ⁱ⁾ These amounts are for advances, expenses and consulting fees. They are unsecured, non-interest bearing and have no fixed terms of repayment. The convertible debenture loan included in 2020 of \$10,000 carried an interest rate of 12%.

Changes in Accounting Policies Including Initial Adoption

Future Accounting Pronouncements

A number of new standards, amendments to standards and interpretations that are more thoroughly described in the notes to the condensed interim consolidated financial statements, are not yet effective as of the date of this report and were not applied in preparing the condensed interim consolidated financial statements. The Company is currently assessing the impact that these standards will have on the condensed interim consolidated financial statements.

Financial Risk Management

International Financial Reporting Standards 7, *Financial Instruments: Disclosures*, establishes a fair value hierarchy that reflects the significance of the inputs used in making the measurements.

On December 31, 2021, the carrying values of cash, receivables and accounts payable and accrued liabilities approximate their fair values due to their short terms to maturity.

Financial risks

The Company has exposure to the following risks from its use of financial instruments:

- Credit risk
- Liquidity risk
- Market risk

Credit risk

The Company's credit risk is primarily attributable to cash and receivables. The Company has no significant concentration of credit risk arising from operations. Cash consists of chequing accounts at reputable financial institution, from which management believes the risk of loss to be remote. Federal Deposit Insurance covers balances up to \$100,000 in Canada. Financial instruments included in receivables consist of amounts due from government agencies. The Company limits its exposure to credit loss for cash by placing its cash with high quality financial institution and for receivables by standard credit checks. On December 31, 2021, the Company's exposure to credit risk is minimal.

Liquidity risk

Liquidity risk is the risk that the Company will not be able to meet its financial obligations as they fall due. The Company has a planning and budgeting process in place to help determine the funds required to support the Company's normal operating requirements on an ongoing basis.

As of December 31, 2021, the Company had a cash balance of \$3,557,178 (2020 - \$520,196) to settle current liabilities of \$338,555 (2020 - \$539,883).

Historically, the Company's sole source of funding has been the issuance of equity securities for cash, primarily through private placements and loans from related and other parties. The Company's

Mineworx Technologies Ltd.
Management Discussion and Analysis
Year ended December 31, 2021

access to financing is always uncertain. There can be no assurance of continued access to significant equity funding.

Market risk

Market risk is the risk of loss that may arise from changes in market factors such as interest rates, foreign exchange rates, and commodity and equity prices.

a) Interest and foreign exchange risk

The Company is subject to normal risks including fluctuations in foreign exchange rates and interest rates. While the Company manages its operations in order to minimize exposure to these risks, it has not entered into any derivatives or contracts to hedge or otherwise mitigate this exposure. At December 31, 2020, the Company was not exposed to significant interest rate risk.

The Company has significant operating expenditures which are denominated in Euro ("EUR"). The Company's exposure to exchange rate fluctuations arises mainly on foreign currencies against the Canadian dollar functional currency of the relevant business entities. The Company has been principally engaged in the acquisition, exploration, and development of mineral properties in Spain.

Financial assets

The Canadian dollar equivalent of the amounts denominated in foreign currencies as of December 31, 2021, and December 31, 2020, are as follows:

December 31, 2021	USD	EUR
Cash	\$ 495	\$ 198,820
Receivables / prepaid expenses	\$ 51,163	\$ 275,785
Total	51,658	474,605

December 31, 2020	USD	EUR
Cash	\$ 246,946	\$ 22,171
Receivables / prepaid expenses	\$ 6,925	\$ 34,162
Total	253,871	56,333

Mineworx Technologies Ltd.
Management Discussion and Analysis
Year ended December 31, 2021

Financial liabilities

The exposure of the Company's financial liabilities to currency risk are as follows:

December 31, 2021	USD	EUR
Accounts payable and accrued liabilities	\$ 4,898	\$ 22,928
Total	4,898	22,928

December 31, 2019	USD	EUR
Accounts payable and accrued liabilities	\$ -	\$ 13,082
Total	-	13,082

Sensitivity analysis

The Company is exposed to foreign currency risk on fluctuations related to cash, and accounts payable and accrued liabilities that are denominated in Euro. As of December 31, 2021, net financial assets totalling \$451,677 (2020 - \$43,251) were held in Euro. This excludes \$330,561 (2020 – \$358,515) held as security and listed as restricted cash in the financial statements as well as intercompany loans.

For US dollars, there was a net financial liability of \$46,760 (2020 – \$253,871).

As of December 31, 2021, and assuming all other variables remain constant, a 2% depreciation or appreciation of the foreign exchange rate against the Canadian dollar would result in an increase or decrease of approximately \$15,645 (2020 - \$8,367) related to the Euro and \$1,173 (2020 - \$4,939) related to the USD in the Company's loss and comprehensive loss.

b) Price risk

The Company is presently exposed to price risk with respect to commodity and equity prices. Equity price risk is defined as the potential adverse impact on the Company's earnings due to movements in individual equity prices or general movements in the level of the stock market. Commodity price risk is defined as the potential adverse impact on earnings and economic value due to commodity price movements and volatilities. The Company closely monitors commodity, individual equity movements, and the stock market to determine the appropriate course of action to be taken by the Company.

Mineworx Technologies Ltd.
Management Discussion and Analysis
Year ended December 31, 2021

Proposed Transactions

On January 17, 2022, Mineworx announced it has signed a letter of intent to sell the Cehegin Iron Ore asset for 20,000,000 shares in a newly formed company (Iron Bull Mining Inc.) that is intending to be listed on a Canadian Securities Exchange.

Outstanding Share Data

Authorized share capital

Unlimited number of common shares without par value.

Common shares

On December 31, 2021, there were 346,516,081 issued and fully paid common shares outstanding.

On April 27, 2022, there were 346,516,081 issued and fully paid common shares outstanding.

Stock options

On December 31, 2021, there were 16,037,500 stock options outstanding at weighted average price of \$0.12 and 15,887,500 stock options exercisable at weighted average price of \$0.13.

On April 27, 2022, there were 18,687,500 stock options outstanding at weighted average price of \$0.12 and 15,962,500 stock options exercisable at weighted average price of \$0.13.

Warrants

On December 31, 2021, there were 6,470,000 warrants outstanding and exercisable at weighted average price of \$0.13.

On April 27, 2022, there were 6,470,000 warrants outstanding and exercisable at weighted average price of \$0.13.

Off-Balance Sheet Arrangements

The Company has not entered into any off-balance sheet arrangements.

Forward-Looking Information and Statements

This information contains certain forward-looking statements and forward-looking information (collectively referred to herein as "forward-looking statements") within the meaning of applicable Canadian securities laws. All statements other than statements of present or historical fact are forward-looking statements. Forward-looking information is often, but not

Mineworx Technologies Ltd.
Management Discussion and Analysis
Year ended December 31, 2021

always, identified by the use of words such as “could”, “should”, “can”, “anticipate”, “expect”, “believe”, “will”, “may”, “projected”, “sustain”, “continues”, “strategy”, “potential”, “projects”, “grow”, “take advantage”, “estimate”, “well positioned” or similar words suggesting future outcomes. In particular, this information contains forward-looking statements relating to: the future opportunities for the Company; the business strategy of the Company; and the competitive advantage of the Company.

In addition, forward-looking statements regarding the Company are based on certain key expectations and assumptions of the Company concerning anticipated financial performance, business prospects, strategies, the sufficiency of budgeted capital expenditures in carrying out planned activities, the availability and cost of services, the ability to obtain financing on acceptable terms, the actual results of exploration projects being equivalent to or better than estimated results in technical reports or prior exploration results, and future costs and expenses being based on historical costs and expenses, adjusted for inflation, all of which are subject to change based on market conditions and potential timing delays. Although management of the Company consider these assumptions to be reasonable based on information currently available to them, these assumptions may prove to be incorrect.

By their very nature, forward-looking statements involve inherent risks and uncertainties (both general and specific) and risks that forward-looking statements will not be achieved. Undue reliance should not be placed on forward-looking statements, as a number of important factors could cause the actual results to differ materially from the Company’s beliefs, plans, objectives and expectations, including, among other things: general economic and market factors, including business competition, changes in government regulations or in tax laws; the early stage development of the Company and its projects; general political and social uncertainties; commodity prices; the actual results of current exploration and development or operational activities; changes in project parameters as plans continue to be refined; accidents and other risks inherent in the mining industry; lack of insurance; delay or failure to receive board or regulatory approvals; changes in legislation, including environmental legislation, affecting the Company; timing and availability of external financing on acceptable terms; conclusions of economic evaluations; and lack of qualified, skilled labour or loss of key individuals. These factors should not be considered exhaustive. Many of these risk factors are beyond the Company’s control and each contributes to the possibility that the forward-looking statements will not occur or that actual results, performance or achievements may differ materially from those expressed or implied by such statements. The impact of any one risk, uncertainty or factor on a particular forward-looking statement is not determinable with certainty as these risks, uncertainties and factors are interdependent and management’s future course of action depends upon the Company’s assessment of all information available at that time.

The forward-looking statements contained herein are expressly qualified in their entirety by this cautionary statement. The forward-looking statements included are made as of the date of this information and the Company does not undertake and is not obligated to publicly update such forward-looking statements to reflect new information, subsequent events or otherwise unless so required by applicable securities laws.

Risk and Uncertainties

The Company’s principal activity is mineral exploration and development. Companies in this industry are subject to many and varied kinds of risks, including but not limited to, environmental, fluctuating metal prices, social, political, financial and economics. Additionally, few exploration projects successfully achieve development due to factors that cannot be predicted or foreseen. While risk management cannot eliminate the impact of all potential risks, the Company strives to manage such risks to the extent possible and practicable.

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 listed in order of importance nor are they inclusive of all the risks and uncertainties the Company may be subject to as other risks may apply: the risks associated with our dependence on the Cehegín Iron Ore Concessions in Spain; geological exploration and development; changes in law, unrest and political instability; environmental permits for development of the Company’s properties cannot be obtained or renewed on terms satisfactory to the Company and other land title permitting and licensing risks; continued negative

Mineworx Technologies Ltd.
Management Discussion and Analysis
Year ended December 31, 2021

operating cash flow and the availability of additional funding as and when required; infrastructure; inflation; governmental regulation; environmental; hazards, insurance; uninsured risks; competition; currency fluctuations; labour and employment; joint ventures; contract repudiation; dependence on key management personnel and executives; and litigation risks.

Additional Information

The Company's publicly filed documents are available on SEDAR at www.sedar.com and more information is also available on Company's website at www.mineworx.net.