

# **MAYO LAKE MINERALS INC: MANAGEMENT DISCUSSION AND ANALYSIS FOR THE NINE MONTHS ENDING SEPTEMBER 30, 2024 (Information as at September 30, 2024 unless otherwise noted).**

## **INTRODUCTION**

The following provides management's discussion and analysis (MD&A) of results of operations and financial condition for the nine-month periods ended September 30, 2024 and 2023. Management's discussion and analysis was prepared by Mayo Lake Minerals Inc. (Mayo or the Company) management and approved by the Board of Directors (Board) on November 27, 2024.

This MD&A should be read in conjunction with the Company's financial statements for the nine-month period ended September 30, 2024. It should also be read in conjunction with the Company's annual financial statements for the years ended December 31, 2023 and 2022, which were prepared in accordance with International Financial Reporting Standards ("IFRS"). All figures are presented in Canadian dollars unless otherwise indicated. The financial statements include all of the assets, liabilities and expenses of Mayo.

## **SPECIAL NOTE REGARDING FORWARD-LOOKING STATEMENTS**

*This document may contain or refer to certain forward-looking statements relating but not limited to the Company's expectations, intentions, plans and beliefs. Forward-looking information can often be identified by forward-looking words such as "anticipate", "believe", "expect", "goal", "plan", "intend", "estimate", "may" and "will" or similar words suggesting future outcomes, or other expectations, beliefs, plans, objectives, assumptions, intentions or statements about future events or performance. Forward-looking information may include reserve and resource estimates, estimates of future production, unit costs, costs of capital projects and the timing for the commencement of operations, and is based on current expectations that involve a number of business risks and uncertainties. Factors that could cause actual results to differ materially from any forward-looking statement include, but are not limited to, failure to establish estimated resources and reserves, the grade and recovery of ore varying from estimates, capital and operating costs varying significantly from estimates, delays in obtaining or failures to obtain required governmental, environmental or other project approvals, inflation, changes in exchange rates, fluctuations in commodity prices, delays in the development of projects, the failure to obtain sufficient funding for operating, capital and exploration requirements and other factors. Forward-looking statements are subject to risks, uncertainties and other factors that could cause actual results to differ materially from expected results. Potential shareholders and prospective investors should be aware that these statements are subject to known and unknown risks, uncertainties and other factors that could cause actual results to differ materially from those suggested by the forward-looking statements. Shareholders are cautioned not to place undue reliance on forward-looking information. By its nature, forward-looking information involves numerous assumptions, inherent risks and uncertainties, both general and specific, that contribute to the possibility that the predictions, forecasts, projections and various future events will not occur. Mayo undertakes no obligation to update publicly or otherwise revise any forward-looking information whether as a result of new information, future events or other such factors which affect this information, except as required by law.*

## **Q3, 2024 HIGHLIGHTS**

### **Corporate**

On September 30, 2024 the Company closed the fourth tranche of its ongoing \$1.4 million private placement (Offering) with the issuance of 2,333,334 Common Share Units (CS Units) @ \$0.06 per CS Unit for a total of \$140,000. Each CS Unit consists of one common share and one whole warrant exercisable into one additional common share at \$0.09 for a period of four years from the date of issuance. The 2,333,334 warrants were valued at \$84,014 using the Black Scholes valuation model. The securities issued pursuant to the Offering are subject to a statutory hold period of four (4) months and one day after the closing date. The CS Unit proceeds will be used for general corporate purposes.

On August 15, 2024 the Company held its Annual General & Special Meeting where shareholders passed unanimous resolutions returning all four directors and approving Jones & O'Connell LLP as auditor. Arm's length shareholders overwhelmingly approved the Company's Stock Option Plan as well as its Restricted Share Unit & Deferred Share Unit Plan.

### Exploration and Mineral Properties

On September 29<sup>th</sup>, 2024 the Company applied for “cash in lieu” for 373 claims in its Anderson-Davidson property for a total of \$19,583.

### Subsequent Events

#### Corporate

There are no subsequent events.

### Exploration and Mineral Properties

On October 17, 2024 the Company applied for “cash in lieu” for a 6 months extension for 179 claims in its Trail-Minto property for a total amount of \$9,398.

## Q2, 2024 HIGHLIGHTS

#### Corporate

On May 3, 2024 the Company closed the third tranche of its ongoing \$1.4 million private placement (Offering) with the issuance of 6,906,400 Common Share Units (CS Units) @ \$0.06 per CS Unit for a total of \$414,384. Each CS Unit consists of one common share and one whole warrant exercisable into one additional common share at \$0.09 for a period of four years from the date of issuance. The 6,906,400 warrants were valued at \$305,712 using the Black Scholes valuation model. The securities issued pursuant to the Offering are subject to a statutory hold period of four (4) months and one day after the closing date. The CS Unit proceeds will be used for general corporate purposes.

On May 3, 2024 the Company issued of a total of 4,333,63 options to certain officers, employees and consultants (Recipients) of the Company in lieu of cash compensation as part of its ongoing efforts to incentivize its personnel without depleting cash resources. These options were related to performance of the Recipients for the period beginning July 1, 2022 and ending December 31, 2023. Each option is exercisable into one common share at a price of \$0.10 for a period of 5 years from the date of issuance. Two independent directors of the Company were awarded a total of 502,200 Deferred Share Units (DSUs); each Unit will vest in the name of the grantee on his retirement.

On May 6, 2024 the Company entered into a six-month marketing and consulting contract with Toronto-based marketing firm Outside The Box Capital Inc. (“OTBOX”). OTBOX specializes in various social media platforms and digital marketing strategies, and can facilitate greater awareness and widespread dissemination of the Company's activities. The agreement has an effective date of May 6, 2024 and will run for a period of six months. The Company will pay OTBOX a cash fee of \$100,000 plus applicable taxes.

On June 30, 2024 the Company as borrower and certain payees agreed to extend a series of promissory notes due and payable on June 30, 2024 totaling \$138,000 in principal plus accrued interest to June 30, 2025. The extensions included a provision that the notes would become immediately payable upon the Company raising a cumulative amount of \$3,000,000 subsequent to June 30, 2024.

### Exploration and Mineral Properties

An internal audit was conducted to determine the exact number of claims for each property that were in good standing and the respective due dates of any pending expiry. The total claims and their areas are reported below. Due dates are provided in the section entitled “Property Details”.

Property	Claims	Area (sq. km.)
Anderson-Davidson	428	85.6
Carlin-Roop	229	45.8
Trail-Minto	215	43.0
Edmonton	<u>76</u>	<u>15.2</u>
	<b>948</b>	<b>189.6</b>

## Mayo Lake Minerals MD&A as September 30, 2024

A further review of the exploration results on the Cascade Claim Group (40 claims totalling 8.1 square kilometres) indicated that there is little chance of discovery of an economic mineral deposit; resulting in the expenses being written off and the claims being allowed to lapse on July 19, 2024 as a subsequent event.

### **Q1, 2024 HIGHLIGHTS**

#### **Corporate**

On March 8, 2024 the Company closed the second tranche of its ongoing \$1.4 million private placement (Offering) with the issuance of 701,667 Common Share Units (CS Units) @ \$0.06 per CS Unit for a total of \$42,100. Each CS Unit consists of one common share and one whole warrant exercisable into one additional common share at \$0.09 for a period of four years from the date of issuance. The 2,333,334 warrants were valued at \$19,625 using the Black Scholes valuation model. The securities issued pursuant to the Offering are subject to a statutory hold period of four (4) months and one day after the closing date. The CS Unit proceeds will be used for general corporate purposes.

#### **Exploration and Mineral Properties**

On March 29, 2024 the Company made a cash payment of \$20,515 in lieu of work commitments for the extension of 373 claims on the Anderson-Davidson property for a period of 6 months.

### **NATURE OF OPERATIONS AND DESCRIPTION OF BUSINESS**

Mayo is an exploration stage junior mining company engaged in the identification, acquisition, evaluation and exploration of mineral properties in the Yukon, Canada. The Company has not determined whether its properties contain mineral resources that are economically recoverable. It is focused on exploring and developing its prospective gold and silver properties located in the Mayo Lake District of the Yukon. The recoverability of amounts recorded as deferred exploration expenditures is dependent upon the discovery of economically recoverable resources and the ability of the Company to obtain the necessary financing to complete their development as well as attaining future profitable production or sufficient proceeds from their disposition.

In July 2021, the Company filed a preliminary prospectus (Prospectus) with the Ontario Securities Commission (OSC) in respect to the issuance and sale of units of the Company for minimum gross proceeds of \$750,000 (Minimum Offering) and maximum gross proceeds of \$1,500,000 (Maximum Offering) plus a listing application on the Canadian Stock Exchange (CSE). It subsequently received a receipt for the prospectus from the OSC and response from both agencies regarding certain matters of issue. On October 5, 2021, the Company filed a revised Prospectus for a Minimum Offering of \$650,000 and a Maximum Offering of \$1,500,000. On November 8, 2021, the Company received conditional approval for a listing on the CSE subject to final receipt of a Prospectus, completion of any outstanding CSE documentation, payment of fees, and closing of the Initial Public Offering. On November 22, 2021 the Company filed a restated Prospectus. On December 15, it received a final receipt of the Prospectus from the OSC. On December 30, 2021 the Company closed the first tranche of the Initial Public Offering, namely \$943,155 for 6,287,701 flow through (FT) units and \$240,401 for 2,003,340 common share (CS) units. Subsequently, on March 15, 2022 it closed a further \$316,444 for 2,637,034 CS units, completely filling the Maximum Offering of \$1,500,000 at that time.

Some modifications were made to the allocation of exploration funds subsequently because of exploration results and their interpretation in early 2022 plus the onerous operating conditions encountered on certain projects during the year. The Anderson Gold Belt at Anderson-Davidson; the Carlin West and AJ zones at Carlin-Roop and the Roaring Fork Stock and vicinity at Trail-Minto continue to be the focus of exploration.

During 2023, \$25,596 was spent on plotting and interpretation of data. No field work was completed due to funds not being available.

During the first three quarters of 2024 no field work was completed due to the funds not being available.

During the last three quarters of 2023, the Company started to evaluate the possibility of a merger with a company

possessing a more advanced property, which would ease the difficulty of raising funds for exploration. On August 2, 2023 the Company signed a Letter of Intent with WestMountain Gold, Inc. WestMountain has a project in Alaska to the west of Anchorage with inferred and indicated resources of 703,30 ounces of high-grade ore. The two companies continue to work at raising the required funds to complete the merger. Raising funds for exploration continued to be very difficult during the last part of 2023 and into the first half of 2024.

### **Yukon Property Acquisitions**

The Company entered into binding letter agreements with Auropean Ventures Inc. (Auropean), a related company, in December of 2011 (amended in July 2014) for the acquisition of the Anderson, Davidson and Edmonton Creek claim groups comprising 881 claims and totalling 184 square kilometres. Initial consideration included a total of \$720,000 in cash and 180,000 common shares of the Company valued at \$18,000. On the first and second anniversary of the letter agreements, the Company completed additional payments totalling 6,480,000 common shares of the Company valued at \$648,000 in lieu of previously agreed cash payments, share issuances and exploration expenditure commitments. The vendor retained a 2.75% net smelter return royalty (NSR) on the Anderson claim group and a 2.5% NSR on the Davidson and Edmonton claim groups. The NSRs are subject to a 1% buyback.

The Company also entered into binding letter agreements with Auropean in February 2012 (amended in July 2014) for the acquisition of the Roop and Trail-Minto claim groups comprising 608 claims. Initial consideration paid included \$50,000 cash, 300,000 shares of the Company valued at \$30,000 and the assumption of demand note payable in the amount of \$100,000. This demand note bore interest at 12% per annum and was payable on demand after a three-month term. The Company agreed to provide a further 5,040,000 shares of the Company valued at \$504,000 in lieu of previously agreed future cash payments, share issuances and exploration expenditure commitments. Auropean retained a 2.75% NSR royalty on the Trail-Minto claim group and a 2.5% NSR on the on the Roop claim group, which are both subject to a 1% buyback.

The Company entered into a binding letter agreement with Auropean in April 2012 (amended in July 2014) for the acquisition of the Carlin claim group comprising 185 claims. Initial consideration paid included \$50,000 in the form of a promissory note and 100,000 common shares of the Company. On the first and second anniversary of the purchase agreement, the Company provided an additional 1,440,000 shares of the Company valued at \$144,000 in lieu of previously agreed cash payments, share issuances and exploration expenditure commitments. Auropean retains a 2.5% NSR royalty on the property, which is subject to a 1% buyback.

All of the NSR buybacks are applicable at any time up to commercial production. Any full 1% NSR can be bought back for \$1M if gold is at \$1,000 per ounce or less; \$2M if gold is at \$3,000 per ounce or more with a sliding scale between \$1,000 and \$3,000 per ounce. A buyback can be exercised in increments of 0.5%.

Following the initial acquisitions, claims were added and deleted according to the value potential of areas underlying claims and the amount of assessment work (qualified exploration costs under the Yukon Mining Act) available to maintain the claims in good standing.

### **Property Details**

**Anderson-Davidson** is a combination of two claim groups totalling 881 claims that were staked separately in 2011. Two claims were disqualified from the original application for registration. In 2015, 4 claims were added, 73 claims lapsed and the two claim groups were melded together. At the end of 2016, 605 claims were in good standing. During 2017, a further 22 claims were added, bringing the total to 627 claims, totalling 130.1 sq. km. in area. Assessment work applied during 2017, 2018 and 2022 extended 573 claims until March 29, 2024, 27 claims until March 29, 2025 and 27 claims until March 29, 2025. Assessment work completed in early 2023, which allowed the extension of 66 claims into 2026. Of the 573 claims extended until March, 2024, 200 were allowed to lapse and cash in lieu of assessment work was paid to extend the balance of 373 claims through September 29, 2024. An internal audit completed during April of 2024 indicates that 433 claims, totalling 86.6 sq. km. in area are presently in good standing; 362 claims have a due date of September 29, 2024, 55 claims are due on March 29, 2026 and 12 claims are due on September 29, 2026.

**Carlin-Roop** consists of two adjacent claim groups. The Company melded these two into one claim group totalling 190 claims in 2017. Originally, Roop was comprised of 378 claims and Carlin 185 claims. A further 32 claims were added to Carlin within the common Area of Interest. In 2014 and 2015 a total of 405 claims lapsed. A total of 190 claims, totalling 37.5 sq. km. in area, were in good standing at the end of 2016. In 2022, 40 claims totalling 8.3 sq. km were added. Filing of work completed in 2017, 2018, 2019 and 2022 left 230 Carlin-Roop claims, totalling 44.7 sq. km. in area, in good standing. Assessment work completed over 198 claims extended them to April 19, 2028 while 2 segments of another 28 claims within a core area at Carlin-Roop have been extended until April 19, 2031 and 2032. An internal audit during April of 2024 indicated that 215 claims, totalling 43.0 sq. km. are presently in good standing; 160 claims have a due date of April 19, 2028, 28 claims are due on June 28, 2028, 16 claims on April 19, 2031 and 11 claims on April 19, 2032.

**Trail-Minto** consisted of 284 claims at the end of 2013; initially 230 claims were purchased from the vendor, subsequently 54 claims were added in the common Area of Interest. A total of 105 claims lapsed prior to the end of 2017 and 5 claims were added in 2019. In 2022, 44 claims totaling 8.9 sq. km. in area were added. Assessment work and payments in lieu applied in 2018, 2019, 2020 and 2022 have resulted in 228 claims totalling 45.8 sq. km. in good standing. Of these, 178 claims are in good standing until October 2024; 12 claims until October 2025; 44 until June 2025 and 4 until October, 2026. An internal audit completed during April of 2024 indicated that 229 claims totalling 45.8 sq. km. are in good standing; 179 claims have a due date of October 19, 2024, 44 claims are due on June 7, 2025; 2 claims are due on October 19, 2025 and 4 claims on October 19, 2026. The 179 claims due on October 19, 2024 have been extended to April 19, 2025.

**Edmonton** was originally comprised of 205 claims, but because of geographic separation, 52 claims were sectioned off into the **Cascade** claim group. In 2015, 58 claims lapsed leaving Edmonton with 95 claims. Between 2017 and 2019, a further 19 Edmonton claims lapsed leaving Edmonton with 76 claims, totalling 15.6 sq. km. in area, which after applications of assessments from 2012 through 2017; completion of payments in lieu of assessment work; plus filing of assessments completed during 2022, leaves 7 claims in good standing until July 19, 2024; 26 claims until July 19, 2025; 42 claims until July 16, 2026 and 1 claim until July 16, 2027. The audit completed in April 2024 confirms the claims and due dates cited above.

**Cascade** has been left with 40 claims totaling 8.1 sq. km. in area. The application of assessment work from 2012 through 2019, payments in lieu, filing of assessment work from 2022 leaves the claims in good standing until July 19, 2024. The Company let the Cascade claims lapse in July of 2024.

### **Geology and Mineralization of the Mayo Lake Area**

Regional geology shows metamorphosed Upper Proterozoic to Lower Cambrian Hyland Group sediments in contact with younger Devonian to early Carboniferous metasedimentary units of the Ern Group and Keno Hill Quartzite along a major thrust fault, the Robert Service Thrust. Mid-Triassic mafic sills and greenstones are common within the younger units but are rarely encountered in other units. All units have been affected by the Tombstone Thrust and intruded by the Mid-Cretaceous Age Tombstone Plutonic Suite, which host several gold deposits, such as the Eagle Project at Dublin Gulch with resources of 6.3 million ounces of gold at a grade of 0.66g Au/t including reserves of 2.7 million ounces of gold at a grade of 0.67 g Au/t. All the claim groups lie within the Tombstone Plutonic Belt.

The dominant structural features in the area are a pair of imbricated thrust sheets. The Robert Service Thrust (RST) and the Tombstone Thrust Sheet (TTS), which collectively have transported the Selwyn Basin sediments over 150 kilometres to the northeast. The RST Sheet is marked by many internal thrusts, subsequent folds and faults and a strong penetrative structural fabric imparted by the later underlying TTS. The magnetics on all properties clearly show this structural complexity. The complicated structural history has resulted in much of the terrain being fertile for mineralization and mineral deposits.

Mineralization within the Tintina Gold Belt is primarily the result of intrusion related gold systems. These large felsic epizonal systems result in variable deposits that on the surface may appear unrelated. Proximal mineralization associated with Tombstone intrusives are sheeted gold veins or stockworks within the rim or immediately adjacent to Tombstone Suite plutons. Deposits such as Dublin Gulch, Brewery Creek and Fort Knox are examples of this type

of mineralization. The numerous significant gold anomalies surrounding the Roaring Fork Stock on Mayo's Trail-Minto claim group could also indicate a sheeted-vein stockwork type of mineralization.

Thick sequences of sediments in the Tombstone Plutonic Belt have resulted from thrusting and stacking of sediment sequences during mountain building and erosion. This environment is favourable for intrusion-related and orogenic mineral deposits. The Pogo Mine (4.9M oz Au at 12.45g Au/t) in Alaska is an example of a high grade orogenic deposit lying within Yukon-Tanana Terrace. Numerous projects within the Tombstone Belt to the south of Mayo Lake represent the mesothermal phase of orogenic mineralization, including Gold Strike's Plateau Project (numerous high-grade intersections including drill intersections of 13.3g Au/t over 17.5m and 12.5g Au/t over 20.7m) and Golden Predator's 3 Aces (81.5 g Au/t over 5.6m; 50.4g Au/t over 8m; 58.8g Au/t over 4.6m). Much of the geochemical and geophysical data collected and compiled on Anderson-Davidson, Trail-Minto, Edmonton and Cascade claim groups points to magmas and fluids moving through tectonized rocks from intrusions. The recently drilled gold occurrence on the Anderson-Davidson claim group likely corresponds to this orogenic type of mineralization.

The Keno Hill Silver District is unique in that it hosts mesothermal silver-based metal deposits with a projected metal source being a buried intrusion. The mine's silver reserves at year-end 2023 totaled 55 million ounces and have increased by 45% over the reserves identified at the time of their acquisition by Hecla in September 2022. Investigations on the Carlin-Roop Property indicate it has a similar geologic history to those mined at Keno Hill.

### **Exploration Property Descriptions**

A description of the geology, mineralization and Mayo's exploration for each claim group is provided below. See "*Planned Exploration and Evaluation 2023-2024*" and "*Mineral Exploration Properties and Deferred Exploration Expenditures*" for additional details.

#### ***Anderson-Davidson Claim Group***

Anderson-Davidson is comprised of 433 contiguous quartz claims covering an area of 86.6 square kilometres, near the community of Mayo, Yukon. The claim group is over 30 kilometres long and covers the highlands south of Mayo Lake where several placer operations actively recover gold from creeks draining the highlands. Access to Anderson-Davidson is provided by a seasonal road connecting placer operations on Davidson Creek to the all-weather Mayo Lake Road. A pre-existing, four-wheel drive track runs east-west through the center of the claim group. Anderson-Davidson is also accessible via helicopter from the airport in Mayo.

The area has been subjected to multiple glaciations. The surface cover is a mixture of colluvium and till. Rock exposure is less than 5 percent. During an older glaciation, the uplands were covered by glacial ice which was probably cold-based with the transport of rock and debris being minimal.

The Anderson-Davidson claim group is underlain by phyllites, schists and carbonates of the Hyland Group, occasionally intruded by felsic dykes. Most stratigraphy has bedding parallel or sub-parallel to foliation, which dips shallowly generally southeast except where modified by small scale isoclinal folding.

Anderson-Davidson has a long history of placer mining. Currently Davidson Creek is being mined during the summer, whereas Anderson Creek and another locale, Dawn Gulch are operated sporadically. During Operation Keno several creeks draining the north part of the property were sampled, yielding up to 275,000 ppm Au in heavy mineral concentrates. Samples from the Yukon's regional stream geochemistry are sparse but confirmed the presence of gold on the eastern part of the property. The property has similarities to that of the Plateau Project, some 40 km to the southwest, where Newmont is required to spend \$53M to earn a 75% interest in the project.

High resolution airborne magnetics completed in 2012 identified numerous magnetic linears associated with broad magnetic trends that were interpreted as having the potential for precious metal veining; and magnetic lows indicating alteration zones and igneous intrusions with associated precious metal that have potential for polymetallic deposits.

Mayo delineated numerous areas of anomalous gold from ridge and spur sampling in 2012. Further testing of one promising area by Mayo delineated the Anderson Gold Trend, a 10-kilometre-long zone of elevated and anomalous Au-As-Sb values. Three gold-in-soil anomalies, with zones more than 50 ppb Au for greater than 200m strike length

within trends of elevated Au up to 2 kilometres long were identified within the Anderson Gold Trend in 2013 to 2015. Significant sections of these soil anomalies contain greater than 100 ppb Au with others up to 500 ppb. A trench excavated at the Anderson-Owl Occurrence yielded anomalous gold in soil samples and a grab sample that assayed 3.5 g Au/t.

These targets remain open along strike in up to three directions, in some cases following or crossing untested topographic depressions. Many geochemical targets remain to be tested, both within and outside of the Anderson Gold Trend.

On the Davidson claims, stream sediment and soil sampling has identified a number of gold anomalies ranging from 400m to 1500m in length with associated Sb and As halos. One Au target was verified with a SGH survey. Some of the grids need extending to better determine the probable bedrock source of the Davidson Creek placers.

On the Anderson claims, a 2017 scout reverse circulation (RC) drilling campaign tested the Anderson-Owl anomaly, within the Anderson Gold Trend and intersected a gold-bearing system in drift covered bedrock; this in spite of the fact that the soil anomaly had been displaced by surficial processes. In total, 640m was drilled in 8 RCHs on two separate fences 50m apart. The newly discovered bedrock vein gold system had two mineralized structures, which correlated across both fences. The quartz sulfide vein structures had significant Au+As+Sb+Hg and contained abundant stibnite-arsenopyrite-pyrite mineralization associated with quartz veins and silica-cemented breccia.

One structure (Alpha) yielded 0.77g Au/t over 6.1m, including 0.90 g Au/t over 3.1m, from the bedrock-drift interface 4.6m down-hole in RCH MLM17-005; and 0.55 g Au/t over 3.0m from 3.1m down hole in RCH MLM17-006. Gold grades were highest at the bedrock – drift interface. The structure appears continuous for at least 50m between holes. The width and grade of the Alpha structure could not be determined because of the drill entering into the structure at the bedrock interface. The higher grades of gold at the top of the holes suggest that gold grades could increase in the undrilled part of the structure. A second structure was intersected by RCHs MLM17-002, 003, 005, 006 and 007 and yielded grades averaging about 0.14g Au/t over intervals of between 1.5m to 7.6m, at an average depth of 70m.

During July, 2021, IP-Resistivity profiles were completed, running across the strike of the Au in soil anomaly defining the Anderson-Owl gold anomaly. These profiles appeared to define two parallel steeply dipping zones, suggestive of mineralization.

A total of 331 soil samples over approximately 4 square kms, were collected in the vicinity of the Norman Au in soil anomaly. Results received in early 2022 showed two significant Au in soil anomalies. The first zone had a length of 200+ m and trended SW. It had gold values of 25 and 55 pb and associated As, Sb and Bi anomalies. It was cut-off at the south edge of the soil grid. The second zone had a length of 500m and trends north-west. Gold values range between 10 and 45 ppb.

The Anderson Gold Trend was extended to an area of 16km by 3km and over 9500m of drill-ready anomalous gold in soil zones, subject to further investigations in some cases, were outlined. At Owl-Anderson an individual gold zone length was increased to 3000 m, with gold values up to 527 ppb. At Steep Creek an individual gold zone length was increased to 1600 m with gold values up to 142 ppb. At Peak an individual gold zone length with gold values to 272 ppb was delineated over 1600 m. At Norman, one individual gold zone of 670 m length with gold values to 46 ppb was delineated. The Anderson Gold Trend was extended to 16km + in length with recognition of further targets zones at Dawn Gulch and in the drainage basins of Owl and Anderson Creeks. Sites were sampled to investigate the possibility that (i) coarse-grained Au was removed from the standard analyzed -80 mesh samples and (ii) loess and transported silt were analyzed in part with glacial materials and colluvium caused irregularities in analytical results. The results suggest the likelihood for the development of a significant mining camp within the Anderson Gold Trend.

The Owl-Anderson, Norman and Steep Creek Au in soil anomalies plus the restricted geophysical magnetic character associated with these anomalies appear to show that the anomalies are confined within a 500m wide zone within the broader Anderson Gold Belt.

## Mayo Lake Minerals MD&A as September 30, 2024

On March 30, 2024, \$39,165 cash in lieu was paid to extend 362 claims for 6 months beyond March 29, 2024, the date upon which assessment work or cash in lieu was required to keep claims in good standing. A total of 59 claims also remains in good standing until March 29, 2026, and 12 claims until September 29, 2026. All claims with good prospectivity for gold mineralization on the Anderson- Davidson property remain under the ownership of the Company.

Anderson-Davidson exploration expenditures 2011 to September 30, 2024.

Year	Exploration Expenditures	Total Expenditures
2011	Geology	\$1,380
2012	Airborne geophysics, soil geochemistry, environmental	\$270,185
2013	Soil geochemistry, geology	\$38,694
2014	Soil geochemistry	\$67,621
2015	Soil geochemistry, SGH survey	\$60,026
2016	SGH survey	\$6,616
2017	RC drilling, soil geochemistry	\$273,078
2018	Geology , environmental, community	\$18,942
2019, 2020	Geology	\$934
2021	Ground IP and resistivity survey, soil geochemistry	\$60,088
2022	Soil geochemistry	\$84,296
2023	Geology	\$3,874
2024	Geology	\$234

Note. Geology includes the synthesis and interpretation of various exploration works for economic evaluation and planning of future exploration.

### ***Carlin-Roop Claim Group***

Carlin-Roop, which is the amalgamation of two contiguous claim groups, is composed of 215 quartz claims covering an area of 43.0 square kilometres. The claim groups cover the eastern reaches of the Gustavus Range, which is bisected east to west by the Granite-Keystone Creek valley. Peaks are generally rounded with steep drop-offs or cliffs at the lips of valleys. It lies within the Keno Hill Silver District (KHSD).

Granite Creek was historically prospected for placer potential. Beginning in 2013, a placer operation has been active and pockets containing up to 300 ounces of gold have been mined. Many of the tributaries to Granite Creek have been staked for additional placer potential. The placer operation on Granite Creek can be accessed by a road originating in Keno.

The claim group has been subjected to multiple glaciations. The youngest glaciation was confined to the trunk valleys occupied by Mayo Lake and the lower part of Granite Creek. Its limits are well marked by lateral moraines and lateral meltwater channel. Above this glacial limit, the ice was probably cold-based, resulting in minimal erosion except within part of the Granite Creek valley where most of the terrain is now covered by variable thicknesses of till. In the core of the valley, the glaciers transported rock debris and mineral material in a westerly direction. Outcrop is uncommon, mostly along scarps on the edge of glacial valleys. Soil development is immature and extensively cryoturbated.

Carlin-Roop is underlain by Keno Hill Quartzite (KHQ) interlayered with minor andesitic volcanics and intruded by Triassic gabbros silt and plugs (Greenstones) and the Cretaceous Roop Lakes Stock. A contact metamorphic aureole extends up to 4 kilometres away from the Stock, impacting most units underlying the property.

Airborne magnetics were flown over the large area covered by the two claim groups in 2012. Magnetic patterns clearly showed the Roop Lake Stock and mafic plugs, the Stocks alteration halo and a broad NW trending mag low on the west side of the Roop Lake Stock. A NW trending anticline parallels the mag low with most of the area being underlain by the KHQ and Greenstones. The airborne magnetics defines numerous parallel breaks and terminations in the magnetics. These lineations are related to fracturing and folding patterns, induced by the Tombstone Thrust.

Mayo completed soil sampling at various scales on the property in 2012, 2014, 2016 and 2017. It delineated several geochemical targets. The geochemistry and a follow-up SGH survey has indicated potential for Au bearing veins,



copper of unknown provenance and for Keno Hill type  $\text{Ag} \pm \text{Pb} \pm \text{Zn}$  veins. At the northern extremity an Au and Ag target plus a copper target have been defined by soil sampling and SGH. In the southern area, soil sampling has indicated Au and Ag potential at two localities; some Ag pathfinders indicate a potential for a KHSM silver mineralization in the east-central part of the property. In the western part of the property, highly anomalous Ag, Zn, Pb Sb and As are present over two segments of soil anomaly totaling 1000m in length. One has a length of 600m (Carlin West occurrence) and trends WSW. It in turn is cut by linears trending ESE, with the same elements paralleling this trend. This situation is similar to that in the central KHSD where Ag fault veins are focused along the Tombstone-related fractures and faults.

In 2018, a ground magnetics survey was completed over parts of the 600m long soil anomaly to confirm and define the position of the soil anomaly projected by the airborne magnetics. In 2019, an IP-Resistivity survey across the soil anomaly indicated a 15m wide high silica, mineralized zone, crossing the axis of the Ag soil anomaly, the Carlin West occurrence.

In late October of 2020, a short drill program of 2 holes totalling 205m was completed, but was terminated prior to achieving its objectives due to severe weather. The first hole was drilled to 127.5m depth at an inclination of 45° and intersected a greenstone unit (Greenstone) below the Keno Hill Quartzite (KHQ) at 93.5m downhole. A second hole was drilled to 75.4m depth at an inclination of 60° and bottomed in KHQ. The Greenstone is secondary to the KHQ in acting as a host to Keno Hill Style Mineralization (KHSM). Nevertheless, a classic KHS breccia, which yielded values of 6.9 g Ag/t over 1.85m, including 12.8g Ag/t over 0.85m, was intersected within the Greenstone. These breccias generally increase in widths and grades by orders of magnitude when intersected within the KHQ. Structural measurements indicate that this breccia likely intersects the KHQ 5-10m above where it cored into the Greenstone. New intervals of KHSM from the two hole collars to 20m downhole drilled through interbedded graphitic schist and quartzite. Assays from many prospective quartz vein and breccia intervals in this new zone assayed to 2.65m at 64.4 g Ag/t from 16.1m, including 0.85m at 124.4g Ag/t from 18m in the second hole; 0.5m at 18.3g Ag/t from 21.5m and 1.0m at 33.7g Ag/t from 82.5m in the first hole. Structural measurements from the first hole indicate that the drilling did not intercept the 15m wide IP-Resistivity anomaly.

During July, 2021, a prospecting and soil sampling program was completed to define and confirm drill targets in the vicinity of the Carlin West silver occurrence. Results received September, 2021, defined two strong Ag in soil zones trending parallel to regional structural lineations. Four grab samples assayed 72, 197, 199 and 562g Au Eq/t along this trend. In some sectors of the KHSD, silver ore can be found in similarly trending vein-faults along this trend. In the vicinity of the Carlin West silver occurrence, two grab samples assayed 4,311 Ag Eq/t and 737g Ag Eq/t along Ag in soil anomalies at obtuse angles to the regional trend.

In October of 2021, two diamond drill holes, totalling 310.8m, were completed on the Carlin West Ag in soil anomaly some 150m along strike from those holes drilled in 2020. The 2021 holes were drilled from the northeast edge of the broad geochem anomaly, whereas the 2020 holes were drilled from the southwest edge of the broad geochem anomaly. In both cases the diamond drill holes encountered greenstone (GRE) before intersecting the central 15m wide near-surface target as identified by an IP-Resistivity survey. The GRE was not anticipated to be present at a 30m depth in the central area, the primary target within the KHQ, the preferred host for high grade KHSM. The first hole was drilled to 203.1m depth at an inclination of 45° and intersected graphitic schist to a depth of 15.05m, KHQ between 15.05 and 54.20m, GRE between 54.20 and 107.7m and interbedded schist and KHQ between 107.7 and 203.1m. The second hole was drilled to 117m depth at an inclination of 60° and intersected KHQ, continuing layers of graphitic schist, sandstone and GRE to 44.6m; GRE between 44.6 and 67.0m; and interlayered KHQ and graphitic schist from 67.0 to 117.5m depth. Most notable was the 1.8m long intercept of a fractured quartz vein in the first hole. This zone was intercepted within the soil anomaly, but well outside the expected prime target associated with the 15m wide IP-Resistivity anomaly.

During 2022, splitting, logging, sampling and delivery to the BVC laboratories for assaying of 832 samples from eight diamond drill holes centred in the Carlin West zone was completed. Plotting and interpretation of results continued through early 2023. Keno Hill Quartzite (KHQ), quartzitic metasediments (MSD), graphitic schists (GSH) and GRE (metamorphosed gabbro and diorite) were the common lithologies encountered in the drilling. KHQ, in some cases interbedded with MSD and GSH, is dominant in holes MLM22-10 through 13. Interbedded MSD and

GSH are the predominant lithologies in MLM22-05 through MLM22-09. GRE was noted at depth in MLM22-09, 10 and 13. Extensive silicification was noted in MLM22-05-11. Quartz veining, some parallel, and some at acute angles, to foliations is extensive throughout most of the DDHs. All DDHs contain veins and disseminations of pyrite and pyrrhotite. Galena, sphalerite, siderite, tetrahedrite, siderite and sulfosalts are occasionally present in some structures, especially those containing quartz veins.

MLM20-01, MLM20-02, MLM21-03 and MLM21-04 all encountered structures containing anomalous silver, both in and below the GRE, as they progressed under or parallel to the highly anomalous Carlin West central core zone where all soil values exceed 30g Ag/t. The structures that contain anomalous silver can be projected up through the GRE into the KHQ. A high-grade silver zone is potentially projected in the receptive KHQ where a steeply dipping IP- Resistivity anomaly running parallel to the Carlin West zone cuts the KHQ.

MLM-05, MLM22-06, MLM-07 and MLM22-09 lie along the northwest extension of the Carlin West zone between prospecting samples running from 3994g Ag/t and 662g Ag/t. MLM22-05 crosses the narrowest part of the Carlin West core zone adjacent to grab samples grading 662 and 3994g Ag/t and intersected fine stringers yielding silver values above background over 31m starting at 79.8m. The DDH also contains two silver structure intercepts anomalous in silver; one measuring 1.0m in length beginning at 83m down hole; and a second measuring 6.9m in length beginning at 90.1m. The latter interval was missing 0.2m of core.

MLM22-07 collared into the Carlin West zone but was missing an aggregate 1.4m of core within its friable portions. Of note is a missing 0.4m interval of core adjacent to a 2.0m intercept grading 1.8g Ag/t, starting at 4.6m downhole. Starting at 98m, stringers yielding silver values above background over 22m of downhole length are common with 4 intercepts exceeding 1g Ag/t anomalous silver. MLM22-06 intersected the Carlin West stringer zone over 15m in length starting at 85m downhole. It intersected two silver intercepts, one 5.6m in length and a second of 1m in length, exceeding 1g Ag/t within the stringer zone with 0.2m of core loss at the upper intercept. These structures are characterized by fractured and brecciated quartz zones. MLM22-09 contains eight silver structures between 1m and 3m thick above 75m downhole and outside the Carlin West zone plus three structures between 8 and 6.3m long from 84 to 166m down hole, within the Carlin West zone as projected from surface. The lowest structure was within a GRE.

MLM22-13 contains two shallow weakly anomalous silver structures, but both project as being outside the core structure. MLM22-12 was collared at a location where the core zone overlies KHQ. It intercepted a narrow structure containing weakly anomalous silver, at a depth of 84m.

MLM22-10 and MLM22-11 collared in the Carlin West stringer zone produced a fractured intercept that did not produce a complete transect of the structure. Soil sampling from this season indicated that these holes were collared in the centre as opposed to the eastern portion of the anomaly as was planned. Both holes intersected a lower stringer zone over 10m wide with silver values up to 14.5g Ag/t. MLM22-10 ended in a mineralized vein 3cm thick. This was below the minimum sampling interval of 0.3m, which was the sample taken from the end of the DDH that yielded 15.2g Ag/t. This stringer zone corresponds to surface float assaying 662g Ag/t and a muted soil anomaly.

The silver structures intercepted to date do not explain the occurrence of high-grade grab samples assaying up to 3,994g Ag/t, nor the large area where all soil samples assayed 1oz Ag/t at Carlin West. It is theorized that this might be the result of missing core as relatively thin, very highly mineralized veins are commonly eroded and get washed away during diamond drilling. Metallic Minerals' press release of April 10, 2023 epitomizes the presence of rich narrow high grade veins in broader silver structures as is envisaged at Carlin West and AJ.

Carlin-Roop exploration expenditures 2011 to September 30, 2024.

Year	Exploration Expenditures	
2012	Airborne geophysics, soil geochemistry, geology	\$214,671
2013	Geology	\$10,572
2014	Soil geochemistry	\$17,685
2015	Geology	\$2,023
2016	Soil geochemistry, SGH survey	\$21,395
2017	Soil geochemistry, SGH survey	\$21,959
2018	Ground magnetic survey, environmental	\$30,052
2019	Mechanical probing, IR-Resistivity survey	\$13,036
2020	Diamond drilling	\$331,163
2021	Soil geochemistry, diamond drilling	\$362,008
2022	Soil geochemistry, diamond drilling	\$958,259
2023	Drilling, geology	\$14,452

Note. Geology includes the synthesis and interpretation of various exploration works for economic evaluation and planning of future exploration.

### ***Trail-Minto Claim Group***

Trail-Minto is currently composed of 223 contiguous quartz claims covering an area of 44.6 square kilometres. Access to Trail-Minto is provided by two pre-existing seasonal roads that cut across the northern and southern edges of the claim group. The roads connect to the Silver Trail Highway (STH), 2.5 kilometres east of the property. Two past producing placer operations are present on creeks draining the property.

Trail-Minto is over 15 kilometres long and covers the highlands west of the STH and south of Mount Haldane. The uplands within Trail-Minto are covered by a mixture of colluvium and till. Outcrop is sparse on the property, rarely exceeding 5 per cent. Trail Minto has been subjected to multiple glaciations but lies beyond the western limit of the most recent glaciation. Due to the elevation of the upland, ice was probably cold-based and transport of rock and debris was minimal. However, some of the upland's surface may be covered by patches of stratified glaciofluvial sediments and/or fluvial sediments formed through periglacial slope processes.

Trail-Minto is underlain by phyllites, schists and carbonates of the Hyland Group metasediments, occasionally intruded by felsic and mafic plugs and dykes. Most stratigraphy has bedding parallel or sub-parallel to foliation, which generally dips shallowly southeast except where modified by small scale isoclinal folding. The Roaring Fork Stock underlies the south part of the Trail-Minto.

Airborne magnetics flown by Mayo in 2012, delineated patterns that were indicative of (i) an underlying N-S oriented intrusion or alteration related to the same intrusion in the southern two-thirds of the property and (ii) a broader E-W oriented buried intrusion in the northern one-third of the property. Magnetic lineations primarily parallel or are oblique to the major oblong magnetic anomalies. The N-S oriented pattern relates to the Roaring Fork Stock and the E-W pattern probably relates to a buried intrusion as witnessed by small mafic and granodiorite plugs outcropping in this area. A ground magnetic survey completed in 2018 confirmed that a major magnetic low traversed the west flank of the Roaring Creek Stock with adjacent small lows in the surrounding area showing greater magnetism.

Reconnaissance-type soil sampling completed by Mayo in 2012 and 2015 outlined a number of WNW trending Au+As+Sb anomalies in the northern part of the property. Soil sampling completed in 2012, 2015 and 2016 over the southern part of the property adjacent to the Roaring Fork Stock and its buried projections is characterized by Au in soil anomalies that generally have a N-S orientation with some obliquely-oriented variations. Contours for other elements seem to define patterns that reflect the presence of the Roaring Fork Stock, alteration of the Stock and adjacent wallrock mineralization. The gold mineralization appears to have been transported and precipitated along faults and joints within the Roaring Fork Stock and the adjacent altered wallrock; the mineralization, faults and joints being in part induced by the Roaring Fork Stock. Gold mineralization is expected to be intrusion related, such as at Victoria Gold's Eagle deposit, or structurally controlled intrusion related mesothermal or epithermal gold bearing veins and stockworks.

A ground magnetic survey completed in 2018 confirmed the magnetic low crossing the west flank of the Roaring Fork Stock and some accessory small mag lows imposing on the surrounding areas in an area where limited soil

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sampling indicates a high potential for gold mineralization. In 2019 a shallow penetrating IP-Resistivity line identified the contact between the Roaring Fork Stock and adjacent schistose rock. Probing and some geochemical analysis, also in 2019, delineated some gold in soil anomalies that appear correlated with linear gold in soil anomalies.

At Trail-Minto, results from the soil sampling in 2022 continued to define north-trending irregular parallel bands of gold anomalies, mainly in the edges and halo of the Roaring Fork Stock. It was also noted that a potential correlation existed between the gold in soil anomalies and the magnetic analytical signal. Sites were sampled to investigate the possibility that (i) coarse-grained Au was removed from the standard analyzed -80 mesh samples and (ii) loess and transported silt were analyzed in part with glacial materials and colluvium caused irregularities in analytical results.

Trail-Minto exploration expenditures 2011 to September 30, 2024.

Year	Exploration Expenditures	Total Expenditures
2012	Airborne geophysics, soil geochemistry	\$121,654
2013 - 2014	Geology	\$6,483
2015	Soil geochemistry	\$30,817
2016	Soil geochemistry	\$25,869
2017	Geology, soil geochemistry	\$6,912
2018	Ground magnetic survey	\$20,874
2019 - 2020	Mechanical probing, IP and Resistivity	\$21,735
2021	Payment in lieu	\$4,095
2022	Soil Geochemistry	\$102,494

Note. Geology includes the synthesis and interpretation of various exploration works for economic evaluation and planning of future exploration.

### ***Edmonton Claim Group***

The Edmonton claim group is composed of 69 contiguous quartz claims covering an area of 13.9 square kilometres near the eastern arm of Mayo Lake. Access is primarily by helicopter. The claim group is also accessible from Mayo Lake. It is bordered to the west by Edmonton Creek, a historically active placer creek. Other creeks that drain to the east have been placer mined in the past.

The surface cover at Edmonton is a mixture of colluvium and till. The youngest glaciation affecting Edmonton, was confined to the valley occupied by Mayo Lake. This valley was filled with westward fast-flowing ice that scoured its bottoms and sides. The youngest glacial limits are marked by moraines. Small ice-dammed ponds are present along the periphery of this moraine system. The highest part of uplands was probably covered by older cold-based glacial ice during an older glaciation, transport of rock and debris being minimal.

Edmonton is underlain by the Robert Service Thrust (RST), which is a broad structure containing a complex intermingling of Keno Hill Quartzites and Hyland Group metasediments intruded by competent gabbroic rocks. Local prominences on the plateau that Edmonton covers correspond to gabbro stocks. The thrust limit of the RST is mapped as a surface trace on Edmonton, when it is more likely a series of multiple sub-horizontal faults. The rocks have also been intensively strained during Tombstone thrusting.

Airborne magnetics was flown over the property in 2012. It delineated a large geophysical anomaly in the southern part of the claim group with one boundary that is marked by elevated gold in soil values. This large anomaly is interpreted to be a buried stock or alteration zone of unknown provenance. The true extent and nature of gold in rock source has yet to be determined. Other magnetic lineations clearly showed faults and fractures that are common within the Tombstone strain zone.

Reconnaissance geochemical soil sampling was completed in 2012. It was followed by definition geochemical soil sampling stages completed in 2014, 2015 and 2017, the latter being reported in 2018. It delineated an E-W trending Au anomaly along the northern edge of the large mag low. Other gold and base metal soil anomalies are also evident. A thorough interpretation of the geophysical, geochemical and glacial history of the data was completed in 2019. It became evident that base metal anomalies formed a ring around the large mag low in the southern part of the property. Slightly elevated, variably trending Au anomalies were present in the centre of the mag low. A strong multi-element

anomaly trended to the northeast from the mag low. The geochem anomalies were commonly parallel to geophysical linears suggestive of fractures and faulting related to the Tombstone thrusting. The pattern of geochem anomalies and geophysics suggests that base metal mineralization along the flanks of the mag low and Au mineralization within and along the north flank of the mag low reflect fluids from different magmas.

At Edmonton, an SGH survey in 2022 validated the potential [presence of sub-surface gold and base mineral mineralization as previously delineated by geochemical soil sampling. The anomalous zones flank a large magnetic low that is believed to be indicative of an underlying intrusive and associated alteration. The base metal and gold zones may relate to the different fractionation of metals within an intrusive or its sub-phases. Sites were sampled to investigate the possibility that (i) coarse-grained Au was removed from the standard analyzed -80 mesh samples and (ii) loess and transported silt were analyzed in part with glacial materials and colluvium caused irregularities in analytical results.

Edmonton exploration expenditures 2011 to September 30, 2024.

Year	Exploration Expenditures	Total Expenditures
2011	Geophysics	\$20,734
2012	Soil geochemistry, geology, environmental	\$23,857
2013	Geology	\$15,451
2014	Soil geochemistry, geology	\$30,066
2015	Soil geochemistry	\$19,988
2016	Soil geochemistry	\$7,108
2017	Soil geochemistry	\$12,597
2018	Geology	\$18,421
2019	Soil geochemistry, geology	\$11,534
2020	Geology	\$282
2022	Payment in lieu, extending claims to July 19, 2022	\$26,094
2023	Geology	\$585

Note. Geology includes the synthesis and interpretation of various exploration works for economic evaluation and planning of future exploration.

### ***Cascade Claim Group***

The Cascade claim group was composed of 40 contiguous quartz claims covering an area of 8.1 square kilometres near Mayo Lake. Cascade covers a moderately sloping prominence overlooking a former producing placer creek draining into the Nelson Arm of Mayo Lake. The claim group is also accessible from Mayo Lake, which has a boat launch at its west end. An old road leading from the lake crosses the south part of Cascade.

The surface cover is a mixture of colluvium and till. Cascade has been subjected to multiple glaciations. The ice was probably cold-based due to the elevation of the upland, and transport of rock and debris was minimal.

The property is underlain by the Robert Service Thrust (RST), which is sub-horizontal. It includes a complex intermingling of Hyland Group Metasediments intruded by competent gabbroic rocks and amphibolite dykes. Rock was also intensely strained during the subsequent Tombstone thrusting.

Geophysics flown in 2012 by Mayo suggests that the surface trace of the RST is folded around the nose of the Mayo Lake Antiform on or adjacent to the property. This structurally complex zone has good potential to host mineralized structures. Reconnaissance sampling suggests the presence of a gold in soil anomaly, with the most anomalous sample yielding 2.25 g Au/t.

Definition sampling in 2017 has delineated five gold in soil anomalies. The anomalies are all open in at least one direction. Two anomalies have associated element anomalies suggesting a felsic intrusive or skarn-type provenance. The other Au anomalies have element associations suggesting intrusion related or orogenic-type provenances for the gold; two of them have strong As and Sb associations. In 2018, Mayo reanalyzed soil samples for Au by fire assay to confirm previous Au in soil anomalies defined by INAA and ICP-MS after acid digestion techniques because of the possibility that gold values may have been negated or muted where graphite was present in the soil. The results did not indicate any obvious affects from the graphite or any other soil component. Further definition sampling in

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2020 around the exterior of the original soils grid extended those anomalies along the east part of the grid. A new grid in the south part of the property delineated one E-W trending gold in soil anomaly.

The Company planned to conduct more detailed soil sampling in 2022 to define potential gold mineralization in areas where reconnaissance soil sampling and airborne magnetics indicate good potential for gold mineralization, mainly to the east and north part of the claim group. However, logistics and funding limited investigations to trying to determine the cause of past irregularities in soil sampling results, i.e., mainly the positioning of samples having low values close to those showing high Au values. Sites were sampled to investigate the possibility that (i) coarse-grained Au was removed from the standard analyzed -80 mesh samples and (ii) loess and transported silt were analyzed in part with glacial materials and colluvium caused irregularities in analytical results.

### Cascade exploration expenditures 2011 to September 30, 2024

Year	Exploration Expenditures	Total Expenditures
2012	Soil geochemistry, geology	\$20,164
2013	Geology, soil geochemistry	\$9,452
2014	Soil geochemistry	\$54
2015	Soil geochemistry	\$570
2017	Soil geochemistry geology	\$15,078
2018	Geology, soil geochemistry	\$2,315
2019	Soil geochemistry	\$8,880
2021	Cash in lieu	\$4,200
2022	Soil geochemistry	\$2,872
2023	Property write-off on December 31, 2023	(\$66,857)

Note. Geology includes the synthesis and interpretation of various exploration works for economic evaluation and planning of future exploration.

The Cascade claims were allowed to lapse on July 19, 2024.

All technical information, including costs and costs estimates of programs within this document has been reviewed and approved by Dr. Vern Rampton, P. Eng. in his capacity as a qualified person as defined under NI 43-101.

## SUMMARY OF QUARTERLY RESULTS

The following tables contain selected financial information for the three month periods ended September 30, 2024 and September 30, 2023.

	Three-month period ended	
	September 30, 2024	September 30, 2023
Revenue	0	0
Total expenses	123,325	148,729
Other income	0	0
Net loss for quarter	123,325	148,729
Loss per share - diluted	0.0012	0.0022
Cash dividend per share	Nil	Nil

Total expenses in Q3, 2024 were \$25,405 lower than those in Q3, 2023, primarily because of decreased in professional fees and share based compensation. For more detail see *Annual general and administration expenses for quarters ending September 30, 2024 and September 30, 2023*.

### *Annual general and administrative expenses for the quarters ending September 30, 2024 and September 30, 2023.*

Category	September 30, 2024 (\$)	September 30, 2023 (\$)	Increase (Decrease) 2024-2023 (\$)
Investor relations and promotion	37,639	28,653	8,986
Professional; legal, audit, accounting, regulatory	15,213	24,856	(9,643)
General and administrative	54,894	52,566	2,328
Property evaluation	-	1,482	(1,482)
Interest expense and bank charges	4,395	5,640	(1,245)
Share based compensation	11,184	35,532	(24,348)
Other expenses	-	-	-
<b>Total overhead expenses</b>	<b>123,325</b>	<b>148,729</b>	<b>(25,404)</b>

The decrease of \$24,348 in Share based compensation is due to the expensing of options and RSUs previously awarded with various vesting periods that are expensed over time. Slight increases in both Investor relations and promotion and General and administrative help to offset slight decreases in General and administrative, Property evaluation and Interest and bank charges.

## SUMMARY OF THE NINE-MONTH PERIODS RESULTS

The following tables contain selected financial information for the nine-month periods ended September 30, 2024 and September 30, 2023.

	Nine-month period ended	
	September 30, 2024	September 30, 2023
Revenue	0	0
Total expenses	721,701	558,829
Other income	0	35
Net loss for quarter	721,701	558,794
Loss per share - diluted	0.0072	0.0044
Cash dividend per share	Nil	Nil

Total expenses in 2024 were \$188,277 higher than those in 2023 primarily because of increased activity in investor relation and promotion and share based compensation. For more detail see *Annual general and administrative expenses for six months period ending June 30, 2024 and June 30, 2023*.

*Annual general and administrative expenses for nine months ending September 30, 2024 and September 30, 2023.*

Category	September 30, 2024 (\$)	September 30, 2023 (\$)	Increase (decrease) 2024-2023 (\$)
Investor relations and promotion	196,810	88,299	108,511
Professional; legal, audit, accounting, regulatory	74,627	85,531	(10,904)
General and administrative	172,011	175,410	(3,399)
Project evaluation	231	7,116	(6,885)
Interest expense and bank charges	17,023	17,295	(272)
Share based payments	260,999	174,378	86,621
Other expenses	-	10,800	(10,800)
<b>Total overhead expenses</b>	<b>721,701</b>	<b>558,829</b>	<b>162,872</b>

The increase in Share based compensation of \$86,621 is due to the expensing of options and RSUs that were both granted and fully vested during the period. Previous awards had been granted with lengthy vesting periods that were expensed over time. The increase in Investor relations and promotion of \$108,511 is mainly due to the contract the Company entered with OTBOX. There are slight decreases in General and administrative, Professional fees, property evaluation and Interest and bank charges. The decrease in other expenses is due to accretion being completely expensed.



**OVERALL PERFORMANCE AND RESULTS OF EXPLORATION FOR THE NINE MONTHS ENDING SEPTEMBER 30, 2024 AND 2023.**

<i>Details of exploration and evaluation expenditures for nine months ending September 30, 2024.</i>						
<b>Work performed</b>	<b>Carlin-Roop</b>	<b>Trail-Minto</b>	<b>Anderson-Davidson</b>	<b>Edmonton</b>	<b>Cascade</b>	<b>Total</b>
	\$	\$	\$	\$	\$	\$
Geology	-	-	-	-	-	-
Geochemical	-	-	-	-	-	-
Geophysics	-	-	-	-	-	-
Line Cutting	-	-	-	-	-	-
Trenching and Probing	-	-	-	-	-	-
Drilling	-	-	-	-	-	-
Environmental	-	-	-	-	-	-
Community Social Development	-	-	-	-	-	-
Project Management	-	-	234	-	-	<b>234</b>
<b>Totals</b>	<b>-</b>	<b>-</b>	<b>234</b>	<b>-</b>	<b>-</b>	<b>234</b>

<i>Details of exploration and evaluation expenditures for nine months ending September 30, 2023.</i>						
<b>Work performed</b>	<b>Carlin-Roop</b>	<b>Trail-Minto</b>	<b>Anderson-Davidson</b>	<b>Edmonton</b>	<b>Cascade</b>	<b>Total</b>
	\$	\$	\$	\$	\$	\$
Geology	-	-	-	-	-	-
Geochemical	-	-	-	-	-	-
Geophysics	-	-	-	-	-	-
Line Cutting	-	-	-	-	-	-
Trenching and Probing	-	-	-	-	-	-
Drilling	3,813	-	-	-	-	<b>3,813</b>
Environmental	-	-	-	-	-	-
Community Social Development	-	-	-	-	-	-
Project Management	9,780	-	3,301	585	-	<b>13,666</b>
<b>Totals</b>	<b>13,593</b>	<b>-</b>	<b>3,301</b>	<b>585</b>	<b>-</b>	<b>17,479</b>

*Summary of exploration and evaluation during the nine months ending September 30, 2024 and 2023.*

**Anderson-Davidson**

\$234 in project management was expensed in the first nine months of 2024.

During 2023 \$3,301 was paid for project management.

**Carlin-Roop**

Nil expenditures during the first nine months of 2024.

During 2023 the Company paid \$3,813 for analysis of drill core and \$9,780 for project management.

**Edmonton**

Nil expenditures during the first nine months of 2024.

During 2023 the Company paid \$585 for project management.

**Trail-Minto and Cascade**

Nil expenditures during the first nine months of 2024.

## RESULTS OF OPERATIONS

### SUMMARY OF QUARTERLY FINANCIAL PERFORMANCE

*Financial results on quarterly basis: Q3 2022 through Q2 2024.*

Category	2024 Q3 \$	2024 Q2 \$	2024 Q1 \$	2023 Q4 \$	2023 Q3 \$	2023 Q2 \$	2023 Q1 \$	2022 Q4 \$
Revenue	-	-	-	-	-	-	-	-
Expenses net of income:								
Investor relations and promotion	37,639	126,994	32,178	33,155	28,653	28,691	30,956	32,623
Professional; legal, audit, accounting, regulatory	15,213	48,662	9,752	17,018	24,856	47,826	12,849	10,993
General and administrative	54,894	58,444	58,674	60,448	52,566	53,020	69,824	75,772
Property evaluation	-	231	-	-	1,483	5,634	-	-
Fair value adjustment on promissory note	-	-	-	-	-	6,587	4,213	3,886
Penalties, interest expenses and bank	4,395	5,515	7,112	14,772	5,507	5,620	6,035	6,128
Share based compensation	11,184	226,908	22,907	13,895	35,532	54,549	84,297	130,223
Other (income) loss	-	-	-	65,917	-	(30)	(5)	(30,499)
<b>Net loss (gain)</b>	<b>123,325</b>	<b>466,754</b>	<b>130,623</b>	<b>205,205</b>	<b>148,597</b>	<b>201,897</b>	<b>208,169</b>	<b>229,126</b>
Net loss (gain) exclusive of share based compensation, other income and adjustment	112,141	239,846	107,716	125,393	113,065	140,791	119,664	125,516

Investor relations and promotion varied between \$28,653 and \$37,639 from Q3, 2022 to Q1, 2024 and Q3, 2024; largely due to the timing of share placements. The large amount in Q2, 2024, \$126,994, is mainly due to the contract the Company entered with OTBOX.

Some differences in Professional fees are due to irregular invoicing. The large sums of \$47,826 (Q2 2023) and \$48,662 (Q2, 2024) are related to audit fees.

The higher costs for General and Administrative for Q4, 2022 and Q1, 2023 (\$75,772 and \$69,824) are related to the increased costs of becoming a public company including the application for a public listing and planning and budgeting for exploration activities for 2023 and 2022.

Fair value adjustment on promissory notes is an accounting exercise that is booked at end of the year and is subsequently expensed throughout the length of the note.

Penalties, interest and bank expenses related to outstanding debt varied between \$5,507 and \$7,112 for all quarters except for Q4. 2023 which included a \$9,000 accrual relating to a T101C filing penalty on flow through shares.

## Mayo Lake Minerals MD&A as September 30, 2024

Share based compensation of \$130,223 (Q4, 2022) and the quarterly decreases in 2023 and Q1 and Q3 2024 relate to the timing of the awarding and vesting of bonuses (options and RSUs). Smaller sums of \$2,989 in Q2 2022 is due to the expensing of DSUs on a quarterly basis over 5 years. The larger amount of \$226,908 expensed in Q2, 2024 is due to the simultaneous award and vesting of options in May 3, 2024.

Other income of \$30,499 during Q4 2022 relates to reductions in flow through liability. The \$30 and \$5 in Q2, Q1 2023 is interest income from funds held in bank accounts. The positive \$65,917 for Q4 2023 resulted from \$940 in flow through reduction and the write-off of the Cascade property in the amount of \$66,857.

The average net loss for each of the eight quarters was \$214,212. Net loss varies according to all the components of the expense categories discussed in the previous paragraphs. The large net loss of \$466,754 for Q2, 2024 is mainly due to a combination of Investor relations and promotion (\$126,994) and Share based compensation (\$226,908); \$229,126 for Q4, 2022 and \$208,169 for Q1 2023 are primarily due to share based compensation. The large net loss of \$205,205 for Q4, 2023 is due mainly to the write-off of the Cascade property and the T101C filing penalty for flow through shares. The net loss of \$201,897 in Q2, 2023 is mainly due to a combination of Share compensation (\$54,549) and Professional fees (\$47,826).

The Net loss exclusive of Share based compensation, other income and adjustment addresses the Company's net cash overhead (Overhead). The average Overhead expense for the eight quarters was \$135,017 per quarter. The higher Overhead of Q2 2023 is primarily due to the higher expenses caused by the public listing (2022), increased fees related to being a public company, the raising of capital and government reporting requirements related to the 2022 exploration program. The higher Overhead of Q2, 2024 is related to Investor relations and promotion and the contract with OTBOX.

## LIQUIDITY AND CAPITAL RESOURCES

As at September 30, 2024, the Company held cash of \$1,860 (September 30, 2023 - \$1,472) and had a working capital deficiency of \$526,289 (September 30, 2023 – deficiency of \$538,614). Between Q4 of 2022 and Q3 of 2024, the Company financed its operating expenses, property costs and exploration costs through equity financings and promissory notes.

### Financing Activity during the nine months ending September 30, 2024

On March 8, 2024, the Company closed a Common Share Private Placement for 701,667 Common Share Units at \$0.06 per Unit totalling \$42,100. Each Unit consists of one common share and one whole common share purchase warrant. Each whole warrant is exercisable into one common share at \$0.09 expiring on March 8, 2028. The 701,667 warrants were valued at \$19,625 using the Black Scholes valuation model.

On May 3, 2024, the Company closed a Common Share Private Placement for 6,906,400 Common Share Units at \$0.06 per Unit totalling \$414,384. Each Unit consists of one common share and one whole common share purchase warrant. Each whole warrant is exercisable into one common share at \$0.09 expiring on May 3, 2028. The 6,906,400 warrants were valued at \$305,712 using the Black Scholes valuation model.

On September 30, 2024, the Company closed a Common Share Private Placement for 2,333,334 Common Share Units at \$0.06 per Unit totalling \$140,000. Each Unit consists of one common share and one whole common share purchase warrant. Each whole warrant is exercisable into one common share at \$0.09 expiring on September 30, 2028. The 2,333,334 warrants were valued at \$84,014 using the Black Scholes valuation model.

**OUTSTANDING SECURITIES**

	<b>September 30, 2024</b>	<b>Dec. 31, 2023</b>	<b>September 30, 2023</b>	<b>Dec. 31, 2022</b>
<b>Common Shares</b>	108,045,555	95,941,670	95,941,670	93,971,237
<b>Warrants</b>	33,213,356	23,271,955	21,337,579	20,564,872
<b>Broker Warrants</b>	697,094	697,094	697,094	679,594
<b>Options</b>	9,253,789	4,920,158	4,920,158	4,920,158
<b>RSU-DSUs</b>	1,589,682	1,274,966	1,274,966	1,528,699
<b>Fully Diluted</b>	152,799,476	126,105,843	124,171,467	121,664,560

**Warrants****Exercisable and Outstanding  
at September 30, 2024**

	<b>Exercise Price</b>	<b>Expiry date</b>
12,529,725	\$0.15	November 5, 2024
1,001,670	\$0.18	December 30, 2024
3,143,853	\$0.20	December 30, 2024
1,318,517	\$0.18	March 15, 2025
786,319	\$0.18	May 4, 2025
83,500	\$0.24	May 4, 2025
716,670	\$0.20	August 30, 2025
1,716,700	\$0.10	March 31, 2026
1,975,001	\$0.09	December 29, 2027
701,667	\$0.09	March 8, 2028
6,906,400	\$0.09	May 3, 2028
2,333,334	\$0.09	September 30, 2028
<b>Total</b>	<b>33,213,356</b>	

**Broker Unit Warrants****Exercisable and Outstanding  
at September 30, 2024**

	<b>Exercise Price</b>	<b>Expiry date</b>
218,757	\$0.12	November 5, 2024
14,584	\$0.12	December 30, 2024
352,919	\$0.15	December 30, 2024
93,334	\$0.12	August 30, 2025
17,500	\$0.06	March 31, 2026
<b>Total</b>	<b>697,094</b>	

**RELATED PARTY TRANSACTIONS**

The Company has contracts for management and geological services provided by key management; namely officers, administrators and directors of the Company through companies controlled or influenced by them. In addition, key management or their related companies may hold positions in other entities that result in them having control or significant influence over the financial or operating policies of those entities. Transactions are recorded at their fair value as agreed between all parties.

- Dr. Vern Rampton, President and CEO, provides Management Services to the Company through Rampton Resource Group Inc. ('RRG') his personal services corporation. RRG also provides accessory office facilities plus an office manager/bookkeeper through contracts negotiated within consideration of competitive prices. All expenses are passed through the company at a minimal mark-up.
- Tyrell Sutherland, Vice-President Exploration, provides management & geological services to the Company through Sans Peur Exploration Services Inc. his solely owned personal services corporation.

- Darrell Munro, Corporate Administrator, provides investor relations and administrative services through his sole proprietorship.
- Andre Rancourt, CFO, provides accounting services through his sole proprietorship.
- Lee Bowles, Manager Business Development, provides financial & advisory services through Ironstone Capital Corporation Inc. his personal services corporation.
- On June 18, 2021 the Company issued a series of promissory notes totalling \$101,000 bearing interest at 6% per annum to certain members of the management team in lieu of payment for services rendered. A total of \$16,000 of the principal was repaid in 2022 and \$5,000 in May of 2024. The remaining principal of \$80,000 plus interest originally due on June 30, 2023 has been extended to June 30, 2025.
- Auropean Ventures Inc. ('Auropean') was formerly designated as an insider, having previously held more than 10% of the outstanding shares of the Company. It has periodically provided credit to the Company. On October 31, 2022 Auropean Ventures Inc. relinquished its status as an insider when its shareholdings fell slightly below 10% of the Company's outstanding shares.
- The President and CEO through his wholly owned corporation Rampton Resource Group Inc. and the Company's Corporate Administrator provide services to Auropean Ventures Inc. ('Auropean')
- The President & CEO and two directors of the Company are also the sole directors of Auropean.
- On November 12, 2021, the directors passed a resolution approving the borrowing of up to \$150,000 from Auropean at a rate of 10% per annum. This promissory note and interests have been repaid in full in May of 2024.
- On July 21, 2022 the Company awarded 3,990,000 incentive options to management, directors, consultants and contractors. Each option is exercisable into one common share at \$0.15 for a period of 5 years from the date of issuance. The options vest in three equal segments of 1,330,000 (August 1, 2022, August 1, 2023 and August 1, 2024).
- On September 30, 2022 the Company awarded 930,158 options exercisable at \$0.15 for a period of 3 years from the date of issuance and 628,699 Restricted Share Units (RSUs) to management, directors, consultants and contractors for their dedication to the company and more specifically to supplement their compensation for fiscal 2021 as well as the period up to the Company's public listing in May of 2022. Both the options and RSUs vest in three separate equal segments, namely January 30 of 2023, 2024 and 2025.
- On December 12 and December 18, 2023, the Company issued 2 promissory notes of \$18,000 and \$15,000 respectively bearing interest at the rate of 1% per month, payable to the President and CEO of the Company. Both the principal and interest were originally due and payable on April 12 and April 18, 2024 respectively and have been extended to June 30, 2025. These notes and corresponding interests have been repaid in full in September of 2024.
- On May 3, 2024 the Company issued of a total of 4,333,631 options to certain officers, employees and consultants (Recipients) of the Company in lieu of cash compensation as part of its ongoing efforts to incentivize its personnel without depleting cash resources. These options were related to performance of the Recipients for the period beginning July 1, 2022 and ending December 31, 2023. Each option is exercisable into one common share at a price of \$0.10 for a period of 5 years from the date of issuance. Two independent

## Mayo Lake Minerals MD&A as September 30, 2024

directors of the Company were awarded a total of 502,200 Deferred Share Units (DSUs); each Unit will vest in the name of the grantee on his retirement from the board and automatically be converted into one common share. Mayo's independent directors do not receive cash compensation.

- Interest expense on the amounts due to related parties during the nine months ending September 30, 2024 totalled \$10,758 (September 30, 2023 - \$13,291).

<b>Compensation to related parties for period ended September 30,</b>	<b>2024</b>	<b>2023</b>
Compensation and contract fee expense of key management	<b>249,296</b>	279,867
Value of DSUs/RSUs with officers and directors expensed	<b>17,135</b>	8,966
Value of stock options with officers and directors expensed	<b>243,854</b>	150,264

<b>Accruals and payables owed to related parties at September 30,</b>	<b>2024</b>	<b>2023</b>
Rampton Resource Group Inc.	<b>118,123</b>	102,092
Sans Peur Exploration Services Inc.	<b>52,800</b>	48,000
Andre Rancourt	<b>5,250</b>	3,950
Darrell Munro	<b>93,110</b>	32,860
Ironstone Capital Corp.	<b>104,500</b>	50,000
<b>Total</b>	<b>373,783</b>	236,902

### OFF-BALANCE SHEET ARRANGEMENTS

The Company has not entered into any material off-balance sheet arrangements such as guarantee contracts, contingent interests in assets transferred to unconsolidated entities, derivative instrument obligations, or with respect to any obligations under a variable interest entity arrangement.

### FINANCIAL INSTRUMENTS AND RISK MANAGEMENT

The Company's financial instruments consist of cash and cash equivalents, accounts payable and accrued liabilities, demand notes payable and due to related parties. Details relating to financial instruments and risk management are disclosed in note 14 to the annual consolidated financial statements for the years ended December 31, 2023 and 2022.

### CRITICAL ACCOUNTING ESTIMATES

The preparation of financial statements in accordance with IFRS requires management to make estimates and assumptions that affect the amounts reported in the financial statements and disclosures in the notes thereto. These estimates and assumptions are based on management's best knowledge of current events and actions that the Company may undertake in the future. Actual results may differ from those estimates.

The most significant items requiring the use of management estimates and valuation assumptions are related to the recoverable value of mineral exploration properties and deferred exploration expenditures; the valuation of all liability and equity instruments including flow-through share premiums, warrants, compensation options and stock options; and, the ability of the Company to continue as a going concern. Details with respect to critical accounting estimates, judgments and estimation uncertainties are disclosed in note 4 to the annual consolidated financial statements for the years ended December 31, 2023 and 2022.

### NEW ACCOUNTING STANDARDS

#### New and revised accounting standards

The Company did not adopt any new standards within the year ended December 31, 2023 or nine months ended September 30, 2024.

## **CORPORATE AND BUSINESS RISK**

The Company is engaged in the business of acquiring and exploring mineral properties in the hope of locating economic deposits of gold. The Company's property interests are in the exploration stage only and are without a known economic mineral deposit. Accordingly, there is little likelihood that the Company will realize any profits in the short to medium term. Any profitability in the future from the Company's business will be dependent upon locating an economic mineral deposit, which itself is subject to numerous risk factors. Furthermore, there can be no assurance, even if an economic deposit of minerals is located, that it can be commercially mined. The exploration and development of mineral deposits involves a high degree of financial risk over a significant period of time which even a combination of careful evaluation, experience and knowledge of management may not eliminate risk. While the discovery of ore-bearing structures may result in substantial rewards, few properties which are explored are ultimately developed into producing mines. Major expenses may be required to establish reserves by drilling and to construct mining and processing facilities at a particular site. It is impossible to ensure that the current business relationships or exploration programs of the Company will result in profitable commercial mining operations. The profitability of operations will be, in part, directly related to the cost and success of exploration programs on its properties which may be affected by a number of factors. Substantial expenditures are required to establish reserves sufficient to commercially mine and to construct, complete and install mining and processing facilities in those properties that are actually mined and developed.

### **Economic Risk**

The prices of copper, gold, silver and other metals fluctuate. The future direction of the price of any metal or mineral will depend on numerous factors beyond the Company's control, including international, economic and political trends, expectations of inflation, currency exchange fluctuations, interest rates, global or regional consumption patterns, speculative activities and increased production due to new extraction developments and improved extraction and production methods. The effect of these factors on the price of commodities, and therefore on the economic viability of the Company's properties, cannot accurately be predicted. As the Company is only at the exploration stage, it is not yet practical for it to adopt specific strategies for controlling the impact of fluctuations in the price of the commodities for which it explores.

### **Management; Dependence on Key Personnel, Contractors and Service Providers**

Shareholders of the Company rely on the good faith, experience and judgment of the Company's management and advisors in supervising and providing for the effective management of the business and the operations of the

Company and in selecting and developing new investment and expansion opportunities. The Company may need to recruit additional qualified contractors and service providers to supplement existing management. The Company will be dependent on a relatively small number of key persons, the loss of any one of whom could have an adverse effect on the Company.

### **Industry Conditions**

The exploration and development of mineral deposits involve significant risks that even a combination of careful evaluation, experience and knowledge may not eliminate. While the discovery of a deposit may result in substantial rewards, few properties which are explored are ultimately developed into producing mines. Major expenses may be required to establish reserves, to develop processes and to construct mining and processing facilities at a particular site. It is impossible to ensure that the current exploration and development programs planned by the Company or its joint venture partners will result in a profitable commercial operation.

Whether a mineral deposit will be commercially viable depends on a number of factors, some of which are the particular attributes of the deposit, such as size, grade and proximity to infrastructure, as well as commodity prices which are highly cyclical and government regulations, including regulations relating to prices, taxes, royalties, land tenure, land use, importing and exporting of minerals and environmental protection. The exact effect of these factors

cannot be accurately predicted, but the combination of these factors may result in the Company not receiving an adequate return on invested capital.

Mining operations generally involve a high degree of risk. The Company's operations will be subject to all the hazards and risks normally encountered in the exploration and development of minerals, including unusual and unexpected geology formations, rock bursts, cave-ins, flooding and other conditions involved in the drilling and removal of material, any of which could result in damage to, or destruction of mines and other producing facilities, damage to life or property, environmental damage and possible legal liability.

#### **Value of Common Shares**

The value of the Company's common shares could be subject to significant fluctuations in response to variations in quarterly and annual operating results, the success of the Company's business strategy, competition or other applicable regulations which may affect the business of the Company and other factors.

#### **Competition**

There is aggressive competition within the mining industry for the discovery and acquisition of properties considered to have commercial potential. The Company competes with other interests, many of which have greater financial resources than it has, for the opportunity to participate in promising projects. Significant capital investment is required to achieve commercial production from successful exploration efforts.

#### **Additional Funding and Financing Risk**

Additional funds will be required for future exploration and development. The source of future funds available to the Company is through the sale of additional equity capital or borrowing of funds. There is no assurance that such funding will be available to the Company. Furthermore, even if such financing is successfully completed, there can be no assurance that it will be obtained on terms favourable to the Company or will provide the Company with sufficient funds to meet its objectives, which may adversely affect the Company's business and financial position. In addition, any future equity financings by the Company may result in substantial dilution for existing shareholders.

#### **Environmental Risk**

Environmental legislation is evolving in a manner which will require stricter standards and enforcement, increased fines and penalties for non-compliance, more stringent environmental assessments of proposed projects and a heightened degree of responsibility for companies and their officers, directors and employees. There can be no assurance that future changes to environmental regulation, if any, will not adversely affect the Company's operations. Environmental hazards may exist on the properties in which the Company holds interests that have been caused by previous or existing owners or operators.

#### **Title to Property**

Although the Company has taken reasonable measures to ensure proper title to its properties mineral rights, there is no guarantee that the mineral rights to all of its properties will not be challenged or impugned. Third parties may have valid claims underlying portions of the Company's interests.

#### **Uninsured Hazards**

The Company may not always be able or may choose not to obtain insurance for many of the risks that it faces. In the course of exploration, development and production of mineral properties, several risks and, in particular, unexpected or unusual geological or operating conditions, 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 an increase in costs and a decline in the value of the Company's securities.

The Company is currently not insured against environmental risks. Insurance against environmental risks (including potential liability for pollution or other hazards as a result of the disposal of waste products occurring from



exploration and production) has not been generally available to companies within the industry. The Company may periodically evaluate the cost and coverage of the insurance that is available against certain environmental risks to determine if it would be appropriate to obtain such insurance.

Without such insurance, and if the Company becomes subject to environmental liabilities, the payment of such liabilities would reduce or eliminate the Company's available funds or could exceed the available funds that the Company has and result in bankruptcy. Should the Company be unable to fully fund the remedial cost of an environmental problem, it might be required to enter into interim compliance measures pending completion of the required remedy.

### **Conflicts of Interest**

Certain directors and officers of the Company also serve as directors or officers of other companies involved in natural resource exploration, development and production. Consequently, there exists the possibility that such directors will be in a position of conflict of interest. Any decision made by such directors involving the Company are made in accordance with their duties and obligations to deal fairly and in good faith with the Company and such other companies. In addition, such directors will declare, and refrain from voting on, any matter in which such directors may have a material conflict of interest.

### **Political Risk**

The Company's properties or business operations may be exposed to various degrees of political, economic and other risks and uncertainties. The Company's operations and investments may be affected by local political and economic developments, including expropriation, nationalization, invalidation of governmental orders, permits or agreements pertaining to property rights, political unrest, labour disputes, limitations on repatriation of earnings, limitations on foreign ownership, inability to obtain or delays in obtaining necessary exploration or mining permits, opposition to exploration and mining from local, environmental or other non-governmental organizations, government participation, royalties, duties, rates of exchange, high rates of inflation, price controls, exchange controls, currency fluctuations, taxation and changes in laws, regulations or policies as well as bylaws and policies of Canada affecting foreign trade, investment and taxation.

### **Permits, Licences and Approvals**

The operations of the Company may require licences and permits from various governmental authorities or permits from surface right landowners. The Company believes it holds or is in the process of obtaining all necessary licences and permits to carry on the activities which it is currently conducting under applicable laws and regulations.

Such licences and permits are subject to changes in regulations and in various operating circumstances. There can be no guarantee that the Company will be able to obtain all necessary licences and permits that may be required to maintain its exploration activities, construct mines or other facilities and commence operations of any of their exploration properties.

In addition, if the Company proceeds to production on any exploration property, it must obtain and comply with permits and licences which may contain specific conditions concerning operating procedures, water use, the discharge of various materials into or on land, air or water, waste disposal, spills, environmental studies, abandonment and restoration plans and financial assurances. There can be no assurance that the Company will be able to obtain such permits and licences or that it will be able to comply with any such conditions.

### **Community Risks**

In addition to mineral tenure and environmental permitting, the Company attempts to engage local communities where it explores. Communities may respond differently to exploration and mineral development activities from region to region. Increasingly the exploration sector is required to engage in social contracts with local residents, communities and surface land owners. Factors affecting social acceptance of exploration are variable and can be unpredictable over time. Local opinions can change rapidly about exploration activities and opinions may not be

related to the activity of the Company although its ability to enter an area and conduct its programs may be affected by shifts in perception.

### **Regulatory Matters**

The Company's business is subject to various federal, provincial and local laws governing prospecting and development, taxes, labour standards and occupational health, mine safety, toxic substances, environmental protection and other matters. Exploration and development are also subject to various federal, provincial, state and local laws and regulations relating to the protection of the environment.

These laws impose high standards on the mining industry to monitor the discharge of waste water and report the results of such monitoring to regulatory authorities, to reduce or eliminate certain effects on or into land, water or air, to progressively rehabilitate mine properties, to manage hazardous wastes and materials and to reduce the risk of worker accidents. A violation of these laws may result in the imposition of substantial fines and other penalties.

### **Mineral Price Fluctuations**

The marketability of any mineral is subject to numerous factors beyond the control of the Company. The price of minerals can experience volatile and significant movements over short periods of time. Factors impacting price include, but are not limited to, demand for the particular mineral, political and economic conditions and production levels and costs of production in other areas or countries.

## **CORPORATE INFORMATION**

### **Officers and Directors**

Vern Rampton, P. Eng., Ph. D. — Chief Executive Officer, President and Director

Andre Rancourt, CPA, C.A. — Chief Financial Officer

Tyrell Sutherland, M.Sc., P.Geo. — Vice-President, Exploration

Chris Irwin, BA, LL.B. — Corporate Secretary

Jeffrey Ackert, BSc. — Independent Director

Gregory LeBlanc, B.A, M.A. — Independent Director

Lee Bowles —Independent Director

### **Corporate Office**

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PO Box 158

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Phone: (613) 836-2594

### **Independent Auditor**

Jones & O'Connell LLP, St. Catharines, Canada

### **Corporate Legal Counsel**

Irwin Lowy LLP, Toronto, Canada

### **Corporate Banker**

The Bank of Nova Scotia, Kanata (Ottawa), Canada