

# THE MINING RECORD™

COMPREHENSIVE COVERAGE OF THE MINING INDUSTRY™

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THIRTEEN DECADES OF CONTINUOUS INDUSTRY COVERAGE  
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December 2024



Denver, Colorado, USA

Metals Watch (11/18/2024): Gold(oz) \$2,569.84 • Silver(oz) \$30.48 • Copper(lb) \$4.08 • Lead(lb) \$.89 • Zinc(lb) \$1.33 • Platinum(oz) \$937.50 • Palladium(oz) \$931.50 • Uranium(lb) \$78.20 • Rhodium(oz) \$4,650.00 • Lithium(kg) \$10.02 • Coal(t) \$121.50

## MANH CHOH COMMENCEMENT OF PRODUCTION

# Fort Knox Operation Has Significant Increase In Production

TORONTO - Kinross Gold Corporation Chief Executive Officer, J. Paul Rollinson, said, "We remain heavily focused on consistent operational performance, cost control, capital discipline and delivering on planned grades to generate value for our shareholders. Our ability to hold costs in this strong gold price environment continues to benefit our margins. We also delivered record free cash flow, which increased by 20% compared with the previous quarter. During the quarter, we released the PEA at Great Bear, located in Ontario, which reaffirms our view of a high-quality, high-margin asset with robust economics, modest capital requirements and clear opportunity for resource growth. Following an invitation from the Ontario Ministry of Mines, we are pleased to have submitted our final AEX Closure Plan for approval, which is an important permitting milestone. We also completed the commissioning of our Manh Choh project resulting in a significant increase in cash flow from Fort Knox located in Alaska, and advanced Phase X at Round Mountain in Nevada."

Significant production increase was reported at Fort Knox quarter-over-quarter and year-over-year due to the commencement of production from higher-grade Manh Choh ore. Fort Knox realized record grade and recovery, resulting in a significant increase in cash flow. Cost of sales per ounce sold decreased in both comparable periods mainly due to the increase in production. Construction and commissioning of the Fort Knox mill modifications have been completed.



Fort Knox realized record grade and recovery. Significant production increase was reported at Fort Knox quarter-over-quarter and year-over-year due to the commencement of production from higher-grade Manh Choh ore. *Photo courtesy of Kinross Gold Corp.*

Production decreased at Round Mountain quarter-over-quarter and year-over-year mainly due to fewer ounces recovered from the heap leach pads. Cost of sales per ounce sold was in line

quarter-over-quarter and was higher year-over-year mainly due to the decrease in production and higher cost ounces produced from the heap leach pads. Phase S mining remains on track, and con-

struction of the heap leach pad expansion is complete, on schedule and under budget, with solution application permits received.

Kinross produced 564,106 Au eq. oz. in Q3 2024, compared

with 585,449 Au eq. oz. in Q3 2023. The 4% year-over-year decrease was primarily a result of planned lower production at Paracatu, in Brazil, due to mine sequencing and fewer ounces recovered from the heap leach pads at Round Mountain, partially offset by the commencement of production from Manh Choh.

Tasiast, located in Mauritania, delivered another strong quarter, with production increasing compared with Q2 2024 mainly due to record mill throughput, and cost of sales per ounce sold increased due to higher royalty costs relating to higher gold prices. Production decreased compared with Q3 2023 mainly as a result of a decrease in mill grades, and cost of sales per ounce sold was slightly higher due to the lower production and higher royalty costs.

At Paracatu production increased quarter-over-quarter mainly due to higher grades and recoveries as a result of the addition of Knelson gravity concentrators to the processing circuit, and cost of sales per ounce sold decreased mainly due to the higher

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DATED MATERIAL — RUSH

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# Maiden Drilling Program Commences At The TJ Project

VANCOUVER - Headwater Gold Inc. has commenced the maiden drill program on its TJ project located in northeast Nevada. Approximately 2,000 metres of drilling is underway on the TJ project. This maiden drill program will test multiple targets for high-grade epithermal veins at depth beneath outcropping silica sinter and down-dip of historic shallow drill holes that encountered broad zones of silicification, epithermal alteration and anomalous gold.

At the Spring Peak, the drilling activities have concluded for the field season at the Spring Peak project. Eighteen holes totaling 6,874 metres were completed, with a focus on scout drilling in new target areas.

Results from nine scout holes have been received, including several zones of anomalous gold and pathfinder elements in new target areas.

At Lodestar the company has receipt of the Lodestar drilling permit has been delayed due to staffing shortages within the US government regulatory agen-

cy. Permit approval and drilling is now expected in spring of 2025.

Caleb Stroup, President and CEO, said, "We are very excited to launch the maiden drill program on our TJ project in Nevada which has quickly become one of our top priorities. With well-preserved silica sinter at surface and compelling resistivity targets at depth, our geologists see strong parallels to our high-grade discovery at Spring Peak and have significantly upgraded the target's potential since acquiring the project just over a year ago.

In parallel, we have completed drilling for the year on the Spring Peak project and received assays from nine initial scout holes. Several of these holes encountered zones of anomalous gold mineralization and key pathfinder elements across new target areas. We are encouraged by these initial results and the remaining assays will clarify the significance of these new zones within the context of the broader project.

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## High-Grade Mineralization At Bonnie Claire Lithium Project

VANCOUVER - Nevada Lithium Resources Inc. reported on its Bonnie Claire Lithium project, located in Nye County, Nevada.

CEO, Stephen Rentschler, said, "The high-grade Lithium and Boron mineralization we have identified over the last two drilling programs presents additional opportunities that were undiscovered when the Preliminary Economic Assessment (PEA) was completed three years ago. With Bonnie Claire now looking to be an analog to Ioneer Ltd.'s

Rhyolite Ridge deposit, the logical next step was to explore relationships with companies instrumental in the development of Rhyolite Ridge.

Fluor Enterprises, Inc. will develop the metallurgical processes and plant design that will be incorporated into an updated PEA. The updated PEA will, for the first time, reflect the impact of the tremendous grades and intercepts of Lithium and Boron that we have encountered in the lower high-grade Lithium and Boron mineralized zone."

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## IDAHO

# Record Ore Mined From Underground Stopes At The Golden Chest Mine

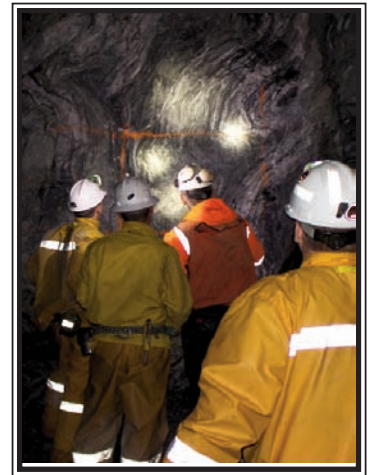
COEUR D'ALENE, ID - Idaho Strategic Resources's (IDR) CEO and President, John Swallow said, "We exceeded \$6M in revenue and \$2M in net income, and every employee shared financially in our philosophy. It has become increasingly apparent that our business approach, asset mix and production experience are somewhat of a rarity as we have not suffered from the "bifurcation" so many look to as an explanation instead of the possibility of having yesterday's business plan.

This quarter we had three drills turning, the paste backfill (new mill) building construction, tailings permitting and other work underway.

At the mine our geologists are literally buried in core and we should have six total geologists on staff this month to help lighten the load, grow production potential, prepare for MGB and Eastern Star drilling, advance Lemhi Pass and continue to look to the future. Needless to say, there are a lot of moving parts at IDR and the rapid growth is being handled in a logical and straightforward manner. We continue to look into asset growth for the near-term, intermediate and over the longer term. Including taking a global view toward planting trees that may not bear fruit for some time. This was the approach and 'common thread' set of assumptions we began with 10 years ago and see no reason to change, except to leverage what we have learned and focus on the same, but more of it."

At the Golden Chest, ore mined from underground stopes totaled approximately 10,500

tonnes with all of the tonnage coming from H-Vein stopes. A total of 3,820 cubic meters of cemented rockfill (CRF) were placed during the quarter which



is a new quarterly record. The Main Access Ramp (MAR) and associated attack ramps were advanced by approximately 154 meters during the quarter.

For the quarter ended a total of 10,470 dry metric tonnes (dmt) were processed at the New Jersey mill with a flotation feed head grade of 9.32 gpt gold and gold recovery of 93.1%.

An exploration program consisting of both underground and surface core drilling was continued during the third quarter. Underground drilling was focused on exploring the Klondike area and targeting the newly found Red Star zone and northerly projections of the H-vein. Surface drilling was completed in Butte Gulch and this rig was moved to the northern area of the Golden Chest. A third drill rig was moved to Wesp Gulch to drill down-dip on the Idaho fault and associated veining during the quarter.

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# New Targets Identified After Successful Drilling Program

VANCOUVER - Intrepid Metals Corp. reported further information on new drill targets following the successful completion of its initial drill program at Corral Copper Property in Cochise County, Arizona. Intrepid successfully tested a 3.5 by 1.5 km copper-gold-silver-zinc mineralized footprint aimed at assessing the potential to host economic carbonate replacement deposits (CRD), skarn, and related porphyry copper mineralization and encountered substantial shallow and high-grade mineralization.

During and after the completion of the highly successful 2024 diamond drill program at Corral, Intrepid executed several exploration initiatives with the objective of utilizing new exploration data to conduct exploration targeting and subsequent target ranking to establish infill and step-out drill targets and to

identify new, stand-alone drill-ready exploration targets. Intrepid completed the first ever ground-based gravity geophysical survey covering key parts of the Ringo and Earp Zones to 1) Determine if the mineralization at Corral has an associated gravity response, and 2) Determine if gravity data can be used to identify new targets outside of the established drill footprint at Corral.

"The gravity survey was successful at finger-printing the Ringo Zone, home of our highest-grade drill results to date," stated Ken Engquist, Chief Executive Officer. "Similar high-potential targets are present elsewhere on our property and they will be tested as part of our Phase 2 drill program, set to commence in early 2025. The recent gravity survey results at Corral are particularly exciting, as they suggest this cost-effective method could be used to directly detect gold and copper mineralization throughout the entire property."

NEVADA

# Intersections Of High-Grade Silver Continue At Brimstone

WINNEMUCCA, NV - Hycroft Mining Holding Corporation reported on the exploration drill program at the Hycroft Mine, located in Nevada.

Alex Davidson, Vice President, Exploration, said, "The objective of the 2024 drill program in Brimstone is to improve continuity within the high-grade and define the structural framework to drive down-dip targeting of the un-drilled Brimstone trend. Geochemistry, structural, assay, and geological data collected from this year's drill program has greatly refined the understanding and targeting strategy to extend the Brimstone trend. Information from drilling in conjunction with petrography work completed earlier in 2024 indicates at least three different overlapping high-grade mineralizing events within this trend that are likely derived from a magmatic source. Targeting for 2024 has shown success by stepping out from defined zones of



mineralization while continually defining the geometry of the high-grade trend. The spectacular results in core hole H24D-6010 (18 meters of 1,987.35 g/t Ag) establishes continuity of the high-grade silver dominant trend as it was drilled approximately 45 meters from high-grade mineralization intersected in recent drill holes. Holes 6003 and 6009 extends Brimstone down-dip. Core hole H24D-6004 crossed a previously unrecognized intrusive, which the results from this hole contain a higher gold to silver ratio opening yet

another target."

Diane Garrett, President and CEO commented, "We continue to be extremely pleased with the results from the 2024 drill program. The results from Brimstone continue to deliver extremely high grades of silver in well-defined veins with continuity. Vortex is similarly delivering high-grade silver, and we are beginning to see higher gold values as we drill deeper. As we work to complete the engineering and economic studies, the objective of the 2024 drill program is to add high-grade mining opportunities in the early years of the project that could potentially be accessed in an open-pit or underground or combination open-pit and underground operation. I want to personally thank the technical team for their outstanding work in identifying these two new high-grade trends that are adding significant value to an already world class asset."

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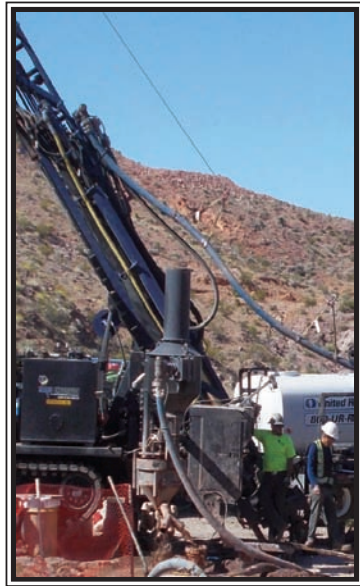
## PHILADELPHIA GOLD-SILVER PROPERTY

# Second Core Drill To Test High Grade Zone At Rising Fawn Area

VANCOUVER – Arizona Gold & Silver Inc. reported on the contracting of a second core drill for its Philadelphia Gold-Silver Property in Arizona. This additional drill will focus on testing the high-grade zone at the Rising Fawn target area, where access limitations have previously hindered drilling with conventional rigs.

The newly contracted core drill is specially designed to drill horizontal and shallow-angle holes at inclinations of less than 45 degrees, a capability not possible with standard drill rigs. This method is essential for obtaining subsurface data from beneath a high cliff face of mineralized material that is not easily accessible from the top of the ridge.

Earlier this year, the Company announced channel sampling from a recently exposed, historic 51.8-meter-long drift. The results revealed 30.5 meters grading 2.33 grams per tonne (g/t) gold and 15.27 g/t silver starting at the adit entrance. Due to safety concerns, the sampling excluded a 30-meter deep winze located on the high-grade hanging wall (HW) vein. The reported 30.5-meter interval was followed by 18.28 meters grading 0.59 g/t gold and 3.74 g/t silver. In total, the drift intersected 48.78 meters grading 1.68 g/t gold and 10.95 g/t silver, with a true width of approximately 44.21 meters.



The combination of these channel sampling results, along with historic drilling and surface mapping, indicates that the high-grade zones within the thicker overall mineralized interval at Rising Fawn are steeply dipping, making them unsuitable for traditional vertical or steeply inclined drilling. Horizontal holes are the optimal method for intersecting these steeply dipping, high-grade vein structures.

Currently, there are no drill holes down-dip from the aforementioned adit. The new drilling program, consisting of 12 planned horizontal and shallow-angle holes, will test the area immediately down-dip of the historic drift. Preliminary grade

modeling suggests a potential plunge to the high-grade intercepts, and this drilling campaign will also assess this interpretation of the grade distribution.

Additionally, a short adit located nearby exposes the HW vein, where channel sampling returned 1.5 meters grading 20.4 g/t gold and 20.5 g/t silver. The full interval from 0 to 10.67 meters assayed 3.49 g/t gold and 12.33 g/t silver. This area will also be included in the upcoming drilling program.

Greg Hahn, VP of Exploration, said, "By drilling this high-grade portion of the system, we aim to gather the necessary data for resource modeling and gain a better understanding of the detailed distribution of grade within the overall mineralized zone at Rising Fawn."

The first core hole at the Red Hills Target has been completed, with a second core hole currently in progress. This drilling is targeting the hydrothermally altered Red Hills flow dome. The first hole confirmed the geologic model derived from previous reverse circulation drilling and CSAMT geophysical data, encountering strong clay alteration above a thick interval of quartz stockwork in both porphyritic rhyolite and underlying granite. Drill core samples will be sent to the laboratory shortly for analysis, and assay results are eagerly anticipated.

## WYOMING

# Ongoing Program At The Kaycee Uranium Project

VANCOUVER - Nuclear Fuels Inc. reported on the ongoing drill program at the Kaycee In-Situ Recovery (ISR) Uranium Project in Wyoming's Powder River Basin (PRB). The current drill hole results are from the Company's first drilling on the historic Stirrup West and East Zones which lie ~2.7 miles from the Saddle Zone and 1 mile from the Spur Zone. Drilling at the Stirrup West Zone returned up to 0.205% eU3O8 over 8.0 feet with a Grade Thickness (GT) of 1.640, representing the highest GT encountered by the Company. Drilling at Stirrup East Zone has confirmed high grade historic mineralization, and extended the Zone by ~1,000 feet to the northeast (0.107%eU3O8 over 4.5 feet with a total hole GT of 0.854). In the PRB, potentially ISR-recoverable uranium mineralization with a GT of greater than 0.20 is considered suitable for inclusion in a potential well-field.

Significant Highlights of the Q3/24 Kaycee Project Drilling Program include: 1) Drill hole JD24-002 at Stirrup West intersected 5 separate mineralized intercepts with a single 8.0 foot interval returning 0.205% eU3O8 for a Grade Thickness ("GT") of 1.640 and a total hole GT of 1.821. 2) Drill hole

JD24\_058 was drilled as a step out hole to the north of the historical mineralization at the Stirrup West Zone and returned 0.077% eU3O8 over 5.0 feet, with a GT of 0.385. This hole, along with additional step out holes drilled to the south of the historical mineralization, suggests the potential to significantly extend the Stirrup West Zone to the north as well as towards the Spur Zone to the south. 3) Hole JD24\_063 at Stirrup East Zone returned 0.107% eU3O8 over 4.5 feet, with a GT of 0.482, as well as an additional interval of 0.057% eU3O8 over 6.5 feet, for a total hole GT of 0.854 extending mineralization 1,000 feet to the northeast from the historic resource area. 4) A total of 107 holes were drilled with an average depth of 498.9 feet, with 83% (90) of these drill holes returning anomalous uranium; 18 of the drill holes returning GT of 0.2 or better.

Greg Huffman, Chief Executive Officer, said, "We continue to be impressed with not only our confirmation of existing historical areas of uranium mineralization, but by how quickly we have been able to extend several of the Zones at Kaycee along trend. We are now of the belief that a number of these discrete historical areas are likely to connect and combine into larger mineralized areas."



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# Coeur Mining Reports Higher Production At All Operations

CHICAGO, IL - Mitchell J. Krebs, Chairman, President and Chief Executive Officer of Coeur Mining, Inc., said, "Our strong third quarter operational and financial results signal the beginning of what we expect to be a new chapter of consistent free cash flow for Coeur. Although higher prices helped magnify our robust results, the team's continued focus on operational excellence drove costs down, leading to significantly higher margins. Rochester Mine in Nevada continues to gather steam during the second half and remains on-track to deliver a step-change in production and cash flow during the remainder of the year and be well-positioned to deliver a record breaking 2025.

Furthermore, the recently announced acquisition of SilverCrest in British Columbia, and its high-grade, low-cost Las Chispas operation, located in Mexico, coupled with Rochester's post-expansion profile, positions Coeur as a leading silver company in terms of production, market capitalization and liquidity, balance sheet flexibility, and cash flow profile at a time when silver's outlook continues to strengthen."

Coeur had strong production increases and lower costs across the portfolio - Higher production at all four operations drove a 21% increase in gold production and 15% increase in silver production, totaling 94,993 and



3.0 million ounces of gold and silver, respectively. Costs applicable to sales per gold and silver ounce both declined 12% compared to the prior quarter, leading to margins more than double the prior period. Based on strong year-to-date production and cost performance, the Company reaffirmed its full-year guidance ranges. In turn this created robust quarterly financial performance driven by higher production and metals prices - Revenue of \$313 million and adjusted EBITDA of \$126 million increased 41% and 140% quarter-over-quarter, respectively. Operating cash flow totaled \$111 million and free cash flow reached \$69 million during the quarter, the highest levels in over a decade. Net income was \$49 million and Adjusted EBITDA over the last twelve months (LTM) increased 2.5x to \$287 million compared to a year ago

Rochester remains on-track to achieve year-end throughput and production guidance - The recently expanded Rochester silver and gold operation placed

approximately 7.1 million tons under leach during the quarter leading to production of 1.2 million ounces of silver and 9,690 ounces of gold, representing quarter-over-quarter increases of 19% and 21%, respectively. The Company has reaffirmed full-year Rochester production guidance ranges and expects approximately 7.0 - 8.0 million tons to be placed under leach in the fourth quarter.

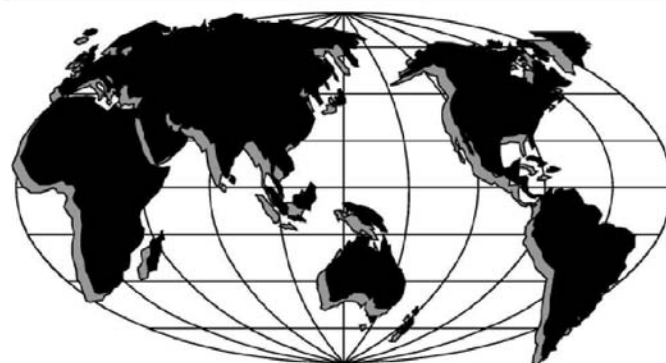
The acquisition of SilverCrest is anticipated to close in the first quarter of 2025 and is expected to materially enhance the Company's cost and cash flow profile and immediately accelerate the Company's balance sheet de-leveraging initiative.

Third quarter 2024 revenue totaled \$313 million compared to \$222 million in the prior period and \$195 million in the third quarter of 2023. The Company produced 94,993 and 3.0 million ounces of gold and silver, respectively, during the quarter. Metal sales for the quarter totaled 96,913 ounces of gold

and 3.0 million ounces of silver. Gold and silver sales represented 71% and 29% of quarterly revenue, respectively, compared to 69% and 31% in the prior period.

The Company's U.S. operations accounted for approximately 65% of third quarter revenue compared to 63% in the second quarter of 2024.

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# Widespread Rhodium From Stillwater West Expansion Drilling

VANCOUVER - Stillwater Critical Minerals Corp. reported on the rhodium (Rh) assays conducted on core from resource expansion drilling on its 100%-owned Stillwater West platinum group element, nickel, copper, cobalt, and gold (PGE-Ni-Cu-Co + Au) project in Montana, adjacent to Sibanye-Stillwater's world-class critical minerals mining operations.

Widespread rhodium was returned in drill results at potentially significant co-product

grades including: 1.13 g/t Rh in an interval that totaled 7.96 g/t Pt+Pd+Au+Rh ("4E") over 1.2 meters in CM2023-03, starting at 308.8 meters and set within 14.6 meters of 1.38 g/t 4E including 0.118 g/t Rh; and 0.162 g/t Rh over 3.7 meters in CM2023-01 starting at 407.8 meters within an interval of 0.99 g/t 4E.

Supply constraints have resulted in elevated rhodium prices since 2017. At its current two-year average price of USD 6,500/oz, and three-year year

average price of USD 9,500/oz, rhodium equates to more than five times the current value of palladium or platinum. Results are expected to expand upon the 115,000 ounces of rhodium defined in the January 2023 Mineral Resource Estimate (MRE) and are similar to results from past campaigns which returned 0.103 g/t Rh over 7.9 meters in hole CM 2020-05, and 0.100 g/t Rh over 6.1 meters in hole CM2007-02.

Rhodium is mined solely as a



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co-product at grades that are often below 0.1 g/t. South Africa dominates global production, and there is very little mine supply in North America. Sibanye-Stillwater, adjacent to Stillwater's Stillwater West project across 32 kilometers in the Stillwater Igneous Complex, is the primary US producer of Rh, mining the highest-grade PGE deposit in the world, the J-M Reef deposit. Rhodium has a high melting point, is highly corrosion resistant, and is critical in catalytic converters, along with platinum and palladium, for cleaner vehicle emissions.

Michael Rowley, President and CEO, said, "The strength and sheer scale of mineralization at Stillwater West continues to impress us as we add mineralization at several grade cut-offs, providing us with excellent optionality on potential mine methods as we advance towards our vision of becoming a primary source of critical minerals in the US."

The polymetallic nature of our deposits is also strongly in our favor as the longest lived and most profitable mines in the world are almost without exception large and polymetallic."

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# New Carlin-Type Gold Targets At Toiyabe Hills Project

VANCOUVER – Westward Gold Inc. reported on the systematic field programs, which included 18 square kilometres of Anaconda-style geological mapping, the collection of 264 surface rock samples, a property-wide gravity survey at 200-metre station spacings, and a reinterpretation of legacy ZTEM data (Z-Tipper Axis Electromagnetic) at its flagship Toiyabe Hills Project, situated along the Cortez Trend in Lander County, Nevada.

Multiple new high-priority zones are emerging at the Project; the Company is targeting favourable lower-plate carbonate rocks preserved under upper-plate cover rocks at reasonable drilling depths, notably within the Wenban, Horse Canyon and Roberts Mountains Formations – key hosts at all the multi-million-ounce gold deposits in the district.

Strategic Advisor Kelly Cluer, said, “Our vision is to identify gold systems and settings that will support company-making discoveries. I am thrilled that our laser-focused groundwork at Toiyabe Hills has exceeded expectations. The overall architecture and scale of the newly-recognized Campfire Target, including geologic framework, geophysical setting and geochemical footprint, are very similar to the environment around several of Nevada’s largest gold mines. Previously-identified near-

surface gold mineralization at both Toiyabe Hills and the past-producing Toiyabe-Saddle Mine is now interpreted as a portion of the geochemical plume, with the Campfire Target zone potentially representing the ultimate feeder source for much of the known gold endowment. Situated near the intersection of old property boundaries, fragmented control of the district allowed it to slip through the cracks until Westward executed its unrelenting land consolidation. Now the proof of concept will be in the drilling.”

The 2024 Toiyabe Hills field program was designed to achieve the following goals: 1) Expand the 1:5000 Anaconda-style geological mapping to improve Westward’s understanding of the Carlin-type hydrothermal alteration footprint and the structural architecture of the district. 2) Increase the density of surface rock samples in emerging target areas and initiate coverage in previously-unsampled portions of the Project. 3) Re-evaluate a 2011 ZTEM survey and integrate new interpretations with a property-wide gravity survey. 4) Identify new drill targets within the Toiyabe Hills District. These goals were successfully accomplished and have resulted in the identification of several new and emerging high-value targets.

Carlin-type hydrothermal alteration was observed in lower-plate

and upper-plate rocks over 11 of the 18 square kilometres mapped in 2024. Alteration remains open in multiple directions.

Confirmation of the Horse Canyon and Wenban Formations exposed at surface and generally dipping to the northeast – these favorable lower-plate strata host the nearby Pipeline and Cortez Hills deposits.

Identification of a 6-kilometre-wide corridor of igneous dike-filled, northeast-striking faults. Dikes range in composition from

felsic to mafic and include quartz feldspar porphyry, diorite, and lamprophyre. Dike-filled fault corridors at Cortez and Carlin are well-documented features that are associated with gold mineralization.

Identification of two and perhaps as many as three district-scale compressional events, which produced thrust faults, imbricate zones, and folds – notably anticlines – in both upper and lower-plate rocks. Where exposed at surface, the northeast-plunging Campfire Anticline is host to

punky decalcified lower-plate carbonate rocks that are cut by north-east-striking igneous dikes. Anticlines developed in lower-plate carbonate rocks are key, well-documented gold controls in Carlin-type deposits.

The mapping continues to demonstrate that geological, structural, and hydrothermal alteration patterns of the Toiyabe District are consistent with, and reminiscent of, documented patterns associated with gold deposits in the Cortez and Carlin Districts.

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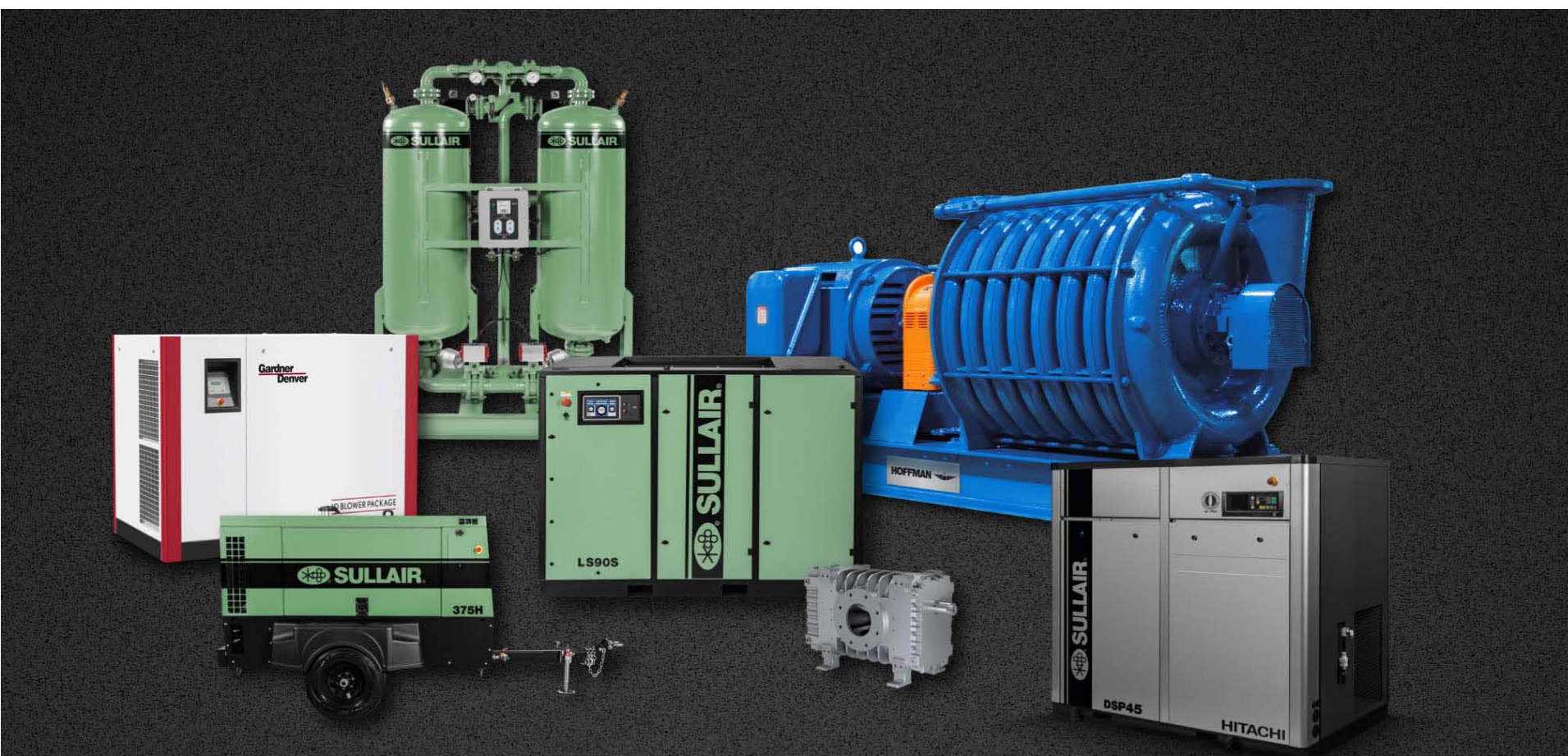
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CONTINUED FROM PAGE 1

# Round Mountain Strong Grades/Widths From Phase X Drilling

production. Production was lower compared with Q3 2023 mainly due to the timing of ounces processed through the mill and lower grades according to the planned mine sequence. Cost of sales per ounce sold was higher mainly due to the planned decrease in grades and production compared with Q3 2023.

In Northern Chile, La Coipa production was lower quarter-over-quarter mainly due to lower mill throughput and recoveries. Cost of sales per ounce sold was higher quarter-over-quarter mainly due to the lower production. Year-over-year, production decreased as a result of lower

mill throughput, and cost of sales per ounce sold increased primarily due to the lower production and higher mill maintenance costs. Mill throughput is being managed while optimization initiatives are implemented. Full-year production guidance at La Coipa remains on track.

At Bald Mountain, in Nevada, production was lower quarter-over-quarter due to the timing of ounces produced from the heap leach pads. Production increased year-over-year due to higher grades, partially offset by the timing of ounces recovered from the heap leach pads. Cost of sales per ounce sold was higher

in both comparable periods as a result of higher cost ounces produced from the heap leach pads.

The PEA for Great provided visibility into the potential production scale, construction capital, all-in sustaining cost and margins for both the open pit and the underground. The PEA represents a point in time estimate and is only a window into the long-term potential of the asset given the indications of continued mineralization at depth. The PEA supports the Company's acquisition thesis of a top-tier, high-margin operation in a stable jurisdiction with strong infrastructure. Based on mineral resources

drilled to date, the PEA outlines a high-grade combined open pit and underground mine with an initial planned mine life of approximately 12 years and production cost of sales of \$594 per ounce. The Project is expected to produce over 500,000 ounces per year at an all-in sustaining cost of approximately \$800 per ounce during the first eight years through a conventional, modest capital 10,000 tonne per day mill. Also released a updated mineral resource estimate for the project, increasing the Inferred resource estimate by 568 koz. to 3.9 Moz., which is in addition to the Measured & Indicated resource estimate of 2.7 Moz.

For the AEX program, permitting, detailed engineering, execution planning, and procurement continue to advance. Kinross has submitted its final Closure Plan to the Ontario Ministry of Mines and approval is expected shortly.

The Closure Plan will allow for the immediate commencement of early works construction on the site including laydown areas, temporary offices, and earthworks. The Company is focused on progressing the AEX program to begin drilling underground to continue unlocking the full potential of the asset, with construction of the underground decline planned to commence in 2025. For the Main Project, Kinross expects to advance engineering definition and execution planning following the selection of design partners later this year. Following the receipt of the Tailored Impact Statement Guidelines earlier this year, the Company continues to work with the Impact Assessment Agency of Canada on advancing its Impact Statement, which is planned to be

submitted later in 2025. Kinross will also be working closely with the Ontario authorities on obtaining provincial permits, similar to the AEX permits, for the Main Project. In 2025, Kinross intends to conduct regional exploration with the goal of identifying new open pit and underground deposits.


Round Mountain Phase X infill drilling continued on the lower zone of the primary Phase X exploration target commenced in Q3, as planned, alongside continued opportunity drilling outside the primary Phase X exploration target.

The drilling in Q3 has demonstrated strong grades and widths from within the primary Phase X target. Drilling outside of the primary exploration target also continues to indicate strong grades and widths.

These results continue to support the Company's hypothesis of potential for higher-margin mining from a bulk underground operation.

In Washington State, the Curlew drilling progressed in the third quarter with three drill rigs active underground testing the Stealth (ST) and EVP Zones. Drilling this year expanded mineralization in zones with favourable grade and width to support higher-margin production.

The Company is progressing baseline studies at Lobo-Marte in Chile, and continues to engage and build relationships with communities and government stakeholders. Lobo-Marte continues to be a potential large, low-cost mine upon the conclusion of mining at La Coipa where Kinross remains focused on potential opportunities to extend mine life.



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# Mine Permitting For Black Pine Oxide Gold Project Advancing

VANCOUVER - Liberty Gold Corp. reported on the achievement of three important milestones in the permitting process for its flagship Black Pine Oxide Gold project in southeast Idaho.

Collaborative efforts with the U.S. Forest Service (USFS) have

resulted in the recent execution of a Memorandum of Understanding (MOU) and a Cost Recovery Agreement. Additionally, the selection and approval of a third-party contractor for the National Environmental Policy Act (NEPA) process was also received

from the USFS and Bureau of Land Management (BLM).

These accomplishments mark critical steps in the Company's ongoing efforts to advance Black Pine towards feasibility and an eventual construction decision, while ensuring compliance with

federal and state environmental standards and maintaining a collaborative engagement with stakeholders.

Matt Zietlow, Director, Regulatory Affairs and Sustainability, said, "We are pleased to formalize our collaboration with the U.S.

Forest Service and look forward to advancing the NEPA process with an experienced third-party contractor approved by both lead federal agencies.

These developments underscore our commitment to working closely with federal regulators to ensure a thorough and transparent permitting process that meets the highest environmental and regulatory standards. Our progress in permitting brings us closer to unlocking the significant value of our flagship project and aligns with our commitment to environmental responsibility and stakeholder engagement."

## Mineralization At Reliance Fault Has Now Been Confirmed

VANCOUVER - Scorpio Gold Corporation reported on the drilling campaign at the Manhattan District, located in Nevada. Hole 24MN-007 provides strong results confirming mineralization associated with the Reliance Fault. Additional holes provide potential to extend high grade mineralization within the Manhattan District drill holes.

VP Exploration, Harrison Pokrandt, said, "Since we re-organized Scorpio Gold, our focus has been on the Manhattan District, where we believe there is significant potential for a large open pit high-grade gold resource. The assay results received to date further delineate historical drilling data and the continuity of mineralization."



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# Galena Complex To Access High-Grade Silver Ore Early Next Year

TORONTO - "The quarter was challenging with multiple lost operating days due to severe weather at the Cosalá Operations, in Mexico, and the decision to focus on development priorities to access high-grade silver ore early next year at the Galena Complex in Idaho. The lack of operational flexibility with only one shaft available for ore and waste impacted production during the quarter. However, I am thoroughly excited for the future of the Company," stated Americas Gold and Silver Corporation's President and CEO Darren Blasutti.

"We have seen a tremendous response from shareholders following the announcement in October on the acquisition of the remaining 40% interest in the Galena Complex and highly successful equity raise to recapitalize this project moving forward. As a result, the Board of Directors has made the decision to expediate Paul's transition to CEO allowing for a timelier operational strategy to be implemented aimed at maximizing the Company's assets moving forward, said Blasutti."

"I am excited to join Americas Gold and Silver and keen to get to work on the 2025 work plan we have been developing for the Galena Complex," stated incoming Americas CEO Paul Andre Huet. "The Galena Complex is a tremendous operation with huge potential that has been handcuffed for years due to a lack of proper capitalization. With the raise that was recently



completed, we are excited to get to work on reviewing the current operation and building on a solid base to deliver what we believe to be one of the premier silver mines in the Americas. I would like to thank Darren Blasutti for his tireless work over the last decade at the helm of the Company during what has been a very difficult silver price environment. Darren will remain as President of the Company and will help me, together with fresh capital and a strong, technical management team, to deliver a revitalized North American based silver mining company during a period of exciting increases in silver prices."

Consolidated attributable silver production during Q3-2024

and Q3-2023 were comparable at approximately 386,000 ounces and 387,000 ounces, respectively. The Company also produced 8.4 million pounds of zinc and 4.1 million attributable pounds of lead during Q3-2024. Consolidated attributable silver equivalent production during Q3-2024 decreased by 11% compared to Q3-2023 due to higher silver prices in Q3-2024 compared to Q3-2023 as the Company uses realized quarterly prices in its equivalency calculations. The Company's goal is to generate more than 80% of its revenue from silver production by the end of 2025 which would be among the silver industry leaders in percentage revenue from silver.

At the Cosalá Operations the Company focused on increasing silver while maintaining base metal production from the San Rafael Main and Upper Zones to maximize its revenue and cash flow generation to benefit from the recent increase in silver and zinc prices as the mine prepares for its next evolution of operations in the EC120 silver-copper deposit. Silver production increased in Q3-2024 by 8% to approximately 192,000 ounces of silver compared to approximately 178,000 ounces of silver in Q3-2023 primarily due to increased tonnage offset by lower recoveries. Production during the quarter was impacted primarily by heavy rains and other factors which caused the

mill to be shut down for 10.5 days. Silver production is expected to increase in Q4-2024 with more predictable weather and further into 2025 as the development into EC120 progresses with the operation continuing to batch higher development grade ore through the mill.

Production of base metals decreased to 8.4 million pounds of zinc and 2.6 million pounds of lead in Q3-2024, compared to 9.0 million pounds of zinc, and 2.8 million pounds of lead in Q3-2023 which was similarly impacted by the 10.5 missed operating days as noted above.

The Galena Complex produced approximately 323,000 ounces of silver in Q3-2024 compared to approximately 349,000 ounces of silver in Q3-2023 (a 7% decrease in silver production), and 2.6 million pounds of lead in Q3-2024, compared to 3.1 million pounds of lead in Q3-2023 (a 15% decrease in lead production). Tonnage and silver production both decreased during Q3-2024 primarily due to a focus on development during the quarter which included continued work on the 55-179 decline to develop deeper higher-grade production stopes which will drive long-term production goals, as well as equipment issues and changes to mining sequence and design. Tonnage was also negatively impacted by the build up of waste rock caused by continued hoisting limitations due to the delay in repairs to the Galena shaft.

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# Greens Creek Operation Drilling Remains Focused On

COEUR D'ALENE, ID - Cassie Boggs, Interim President and CEO of Hecla Mining Company, said, "The Company produced 3.6 million ounces of silver in the third quarter, bringing year-to-date production to 12.3 million ounces. In Idaho, Lucky Friday had a strong quarter as the mill achieved the second-highest throughput in its 80-year history after a record last quarter. While Greens Creek's silver production in Alaska was lower than anticipated due to five days of unplanned mill maintenance in the third quarter, our team was able to

complete the maintenance quickly and complete a portion of our fourth quarter scheduled maintenance simultaneously. Strong performance from our silver operations has generated free cash flow of \$170 million year-to-date, which along with opportunistic use of our ATM program, has allowed us to substantially repay outstanding borrowings on our revolving credit facility, reducing total debt by \$50.6 million.

At Keno Hill, in the Yukon Territory, we have already mined more than 2.5 million ounces and produced 2.1 million ounces of

silver this year, putting us on track to meet our production guidance for this year. We are prioritizing building the foundation for this operation's future to operate in Yukon successfully, which includes improving safety and environmental practices and, importantly, valuing the perspectives of the Yukon Government and the First Nation of Na-Cho Nyäk Dun, both of whom have important roles in permitting our improvements to infrastructure as well as our future operations. At Keno Hill, over 9,800 feet of definition drilling was completed.

Drilling continues to intersect high-grade silver mineralization over significant widths and highlights the potential for high-grade silver mineralization in the district. At Greens Creek, over 27,000 feet of drilling was completed, focused on resource conversion and extension of mineralization. Sales in the third quarter of \$245.1 million were consistent with the prior quarter as lower sales volumes of silver, gold and lead, and lower realized prices for silver, zinc, lead were offset by higher sales volumes for zinc and higher realized prices for gold. The lower sales volumes stemmed from a combination of lower production and volumes sold at Lucky Friday and Casa Berardi (due to lower grades and lower mill throughput) and lower sales volumes at Keno Hill due to lower mill throughput attributable to delays in design and construction of the dry stack tailings facility ("DSTF"), including permitting delays following the heap leach failure at Victoria Gold's Eagle Gold mine. Sales of silver and zinc concentrate inventory built up at Greens Creek in the prior quarter partially offset lower sales volumes from other operations. Gross profit increased by 15% to \$59.3 million, primarily attributable to the lower cost of sales at Keno Hill and Casa Berardi partially offset by higher cost of sales at Greens Creek due to higher volumes of metals sold."

The Greens Creek Mine produced 1.9 million ounces of silver, a decrease over the prior quarter, primarily due to lower grades and reduced mill throughput attributable to five days of unplanned maintenance on the Semi-Auto-genous Grinding ("SAG") mill variable frequency drive (unplanned maintenance extended to two days in October). By-product metal production was lower for gold and lead due to lower mill throughput and lower grades, while zinc production was flat as higher grades offset the lower milled throughput. The mine added copper to its by-product

metals as the silver concentrate now includes copper as a payable metal (copper has been produced at the mine for multiple years but previously was not a payable metal in concentrates).

At Greens Creek, three underground drills completed over 27,000 feet of drilling focused on resource conversion and exploration to extend mineralization of known resources. Drilling was focused in the 9a, 200 South, 5250, West, Gallagher, and Upper Plate areas. In addition, two helicopter supported surface exploration drills completed over 8,000 feet of drilling expanding Upper Plate Zone mineralization 250 feet to the west of current resources and drill testing the Mammoth, Gallagher West, East Ore Offset, and Lower Zinc Creek targets.

At the Lucky Friday produced 1.2 million ounces of silver, 9% lower than the prior quarter, due to 6% lower milled grades and 3% lower throughput. Mill throughput averaged 1,133 tpd, the second highest in the mine's history after a record in the prior quarter. Sales in the third quarter were \$51.1 million, 14% lower due to lower volumes of metals sold and lower realized prices. Total cost of sales increased to \$39.3 million, primarily due to higher production costs attributable to higher underground mobile equipment maintenance costs and higher contractor costs. Key mill projects, including installation of new cyclones, were completed during the quarter, contributing to lower mill throughput. Cash costs and AISC per silver ounce, each after by-product credits, were \$9.98 and \$19.40 respectively and were higher due to higher production costs and lower by-product credits (lower production and realized prices), and lower silver production.

Production at the Keno Hill produced 597,293 ounces of silver at an average grade of 25.7 ounces per ton. Mined throughput averaged 343 tpd, milled tonnage averaged 261 tpd during the quarter, and 314 tpd during the nine months ended September 30,



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# Resource Conversion And Extension Of Mineralization

2024. Lower mill throughput during the quarter was attributable to the delays in receiving an authorization for construction and a permit modification for the DSTF as the Yukon Government ("YG") and the First Nation of Na-Cho Nyäk Dun ("FNNND") initially focused on the Victoria Gold's Eagle Mine heap leach pad failure that occurred in June and not on permitting matters (Keno Hill does not utilize heap leach processing). Mill operations resumed on October 26, after receiving the authorization and modification and completing related design and construction work on the DSTF. The mine has produced 2.1 million ounces of silver for the nine months ended September 2024 and had an ore stockpile inventory of approximately 0.46 million silver ounces as of October 26, when the mill resumed processing.

Underground drilling during the third quarter continued to intersect high-grade silver mineralization over significant widths and highlights the potential for high-grade silver mineralization in the district. Underground definition drilling continued to be focused on extending mineralization and resource conversion in the high-grade Birmingham Bear Zone veins (Bear, Footwall, and Main Vein zones) and in the Flame & Moth veins. During the quarter, two underground drills completed over 9,800 feet of definition drilling.

Drilling in the Birmingham Mine Footwall vein has intersected significant silver mineralization over significant width in a portion of the Footwall vein where mineralization was modeled to be low-grade. Results from this drilling will increase the modeled grade in the western portion of the vein over 200 feet of strike length and 100 feet of dip length, and mineralization is open down dip for expansion. Drilling in the Flame and Moth Mine Vein 1 has also intersected significant silver mineralization over significant widths

in a portion of Vein 1 where mineralization had previously not been modeled. These results will increase the modeled grade in the central portion of the vein over 230 feet of strike length and 100 feet of dip length. This mineralization remains open to the west for expansion.

Three surface drills were also active on the property testing multiple targets including the Birmingham Deep, Birmingham Townsite, Elsa17-Dixie, Silver Spoon, and Inca target areas that have potential for additional large high-grade silver deposits. Over 23,700 feet of surface exploration drilling in 10 drillholes were completed during the quarter. Wide spaced surface drilling in the Birmingham Deep target has

demonstrated the presence of high-grade mineralization in the vicinity of an emergent highly prospective vein intersection target with additional drilling planned to confirm this vein intersection is controlling metal distribution and to expand drilling along plunge. In the Birmingham Townsite target, surface drilling has defined a zone of narrow high-grade mineralization located within 100 meters of the currently planned development and is open at depth along plunge for expansion.

Casa Berardi produced 20,534 ounces of gold in the quarter, 11% less than the prior quarter due to lower underground grades. The mill operated at an average of 4,017 tpd during the quarter. Sales were \$50.3 million, a decrease of

14% over the prior quarter due to lower gold production and sales volumes were partially offset by higher realized gold price. Total cost of sales were \$46.3 million, a decrease of 31% attributable to lower sales volumes and lower production costs. Cash costs and AISC per gold ounce, each after by-product credits, increased to \$1,754 and \$2,059, respectively, as lower gold production was partially offset by lower production costs, with AISC also impacted by higher planned capital investment on construction of tailings.<sup>3,4</sup>

Casa Berardi is transitioning from a combined underground and surface operation to a surface only operation, which will require significant permitting and development activities. As a part of this

transition, along with mining the 160 open pit, only the higher margin stopes of the west underground mine will be mined until they are exhausted, which is expected to occur in mid-2025. Casa Berardi is expected to produce gold from the 160 pit until 2027, and is expected to have a production gap commencing in 2027 and continuing until 2032 or later. During this time, the focus is expected to be on investing in infrastructure and equipment, permitting and de-watering and stripping two expected new open pits, Principal and West Mine Crown Pillar. Upon conclusion of the hiatus and related permitting and construction, the Company expects the mine to generate significant free cash flow.



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# AngloGold Ashanti Reports Strongest Gold Production For The Year

DENVER, CO - AngloGold Ashanti plc reported its strongest gold production quarter of 2024 from managed operations, driving significant year-on-year gains in earnings and free cash flow. The Company reaffirmed full-year guidance for gold production, costs and capital expenditure.

"Tight control of costs and active management of our working capital means that the higher gold price has flowed through to our bottom line," CEO Alberto Calderon said. "We're looking for additional improvements to production and margins, to ensure we deliver an even stronger fourth quarter and continue to capitalise on this healthy gold price environment."

AngloGold Ashanti saw resilient performances from several key operations. The Australian portfolio recovered well from rains and flooding in the first quarter, while the operational turnaround of its Brazilian operations continued to gain momentum with the resumption of processing of gold concentrate at the

Queiroz plant during September.

Solid cost control and active management of working capital helped ensure that higher revenues were reflected in stronger earnings. Headline earnings of \$236 Million in the third quarter of 2024, compared to a headline loss of \$194 Million in the third quarter of 2023. Adjusted earnings

before interest, tax, depreciation and amortisation rose 339% to \$746 Million in the third quarter of 2024 from \$170 Million in the same period last year.

Gold production for the group was 657,000 ounces for the third quarter of 2024 versus 676,000 ounces in the same period of 2023, due to lower production from the Kibali joint venture, where lower grades resulted in production of 71,000 ounces compared with 99,000 ounces in the third quarter of 2023. Gold production for managed operations rose 2% year-on-year to 586,000 ounces, from 577,000 ounces in the third quarter of 2023. Gold production was stronger at Obuasi in Ghana (15%), Siguiri in Guinea (9%), Tropicana in Australia (14%), Cerro Vanguardia in Argentina (11%) and Sunrise Dam in Australia (14%).

At Obuasi, third-quarter gold production increased 15% year-on-year as total grades and underground tonnages rose, despite a continued impact on production of reduced mining flexibility in Block 8 and difficult ground conditions in higher-grade stopes. Notwithstanding these near-term challenges, total cash costs per ounce improved 20% year-on-year.

In October the shareholders of Centamin plc approved the proposed acquisition of Centamin by AngloGold Ashanti. The proposed acquisition will bring to AngloGold Ashanti's portfolio an established Tier One asset with the Sukari mine in Egypt, which produced 450,000 ounces of gold in 2023. The addition of Sukari ensures a higher proportion of AngloGold Ashanti's gold production will be derived from Tier One assets, and will provide flexibility for the Company to consider disposal options of its higher-cost Tier Two mines.

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## WESTERN IDAHO

# Drilling Advancing Rapidly At The Leviathan System

TORONTO - Hercules Metals Corp. reported on recent drilling as further assay results remain pending at the Leviathan porphyry copper system in western Idaho. RC drilling has advanced rapidly with three holes completed and a fourth in progress, including HER-24-17 being completed to 975m. Three new holes stepped to the southeast, HER-24-19 through -21, all intersected early biotite alteration with mineralization beginning progressively closer to surface, starting as early as 72m true depth in hole 24-20. The depth to mineralization continues to shallow toward a large untested copper anomaly at surface to the east.

Mineralization begins at 72m depth in HER-24-20 and remains open toward a large surface anomaly.

Mineralized early biotite alteration intersected in 3 new holes to the southeast - and potentially plunging under HER-23-14, previously thought to be the edge of the system.

A separate zone of early biotite was also encountered at depth in holes HER-24-08 and HER-24-12, which may be related to a separate intrusive center to the north.

New magmatic-hydrothermal breccia pipe discovered by HER-24-20 represents a new target type, with vertically extensive potential. Mineralized envelope continues to expand - remains open in multiple directions. RC drilling continues to provide additional value, testing new targets rapidly, both pre-collar and otherwise.

Drill holes HER-24-19 through -21 begin in shallow phyllic alteration associated with the enrichment blanket and transition with depth into varying degrees of biotite alteration consistent with an outer potassic shell. These new holes have significantly expanded the zone of early biotite alteration which shows increasing strength toward the south.

Of note is a separate zone of early biotite encountered at depth in holes HER-24-08 and HER-24-12 which have the potential to be related to a yet undiscovered intrusive center to the north.

HER-24-05 encountered a plug of late porphyry associated with a chargeability low, however high chargeability continues further south of Camp Creek and remains to be tested.

Core drilling failed to reach the unconformity at this southern target but depending on weather conditions, Legacy Drilling may be able to test for further extensions of the system in this direction.

Legacy was able to complete HER-24-17 to the maximum working depth capacity of the RC rig at 975 m in very challenging ground conditions. The alteration encountered will be interpreted once geochemical and spectral results have been received and processed on the fine chips.

HER-24-19 and -21 both intersected enrichment blanket followed by intermediate sulfidation pyrite-chalcopryrite which remains open down plunge to the southeast. HER-23-14 was drilled at a shallow angle to the southeast in 2023, which is now interpreted to be subparallel with the



plunge of the system. This may explain why the hole remained in the same distal alteration it started in, throughout its length. Future drilling will test underneath 23-14 by drilling northwest, against the plunge of the system.

Prior to entering the enrichment blanket, HER-24-20 intersected a compelling new magmatic hydrothermal breccia from 76m to 157m downhole, representing the first of its kind to be intercepted at Hercules. The breccia consists of strongly veined clasts of porphyry and wall rock within a fine chloritic matrix that becomes progressively more intrusive in nature near its foot-wall contact. Intermediate sulfidation pyrite-chalcopryrite mineralization occurs in the latter half of the intercept, within the matrix as well as clasts, and appears to increase in intensity downwards. The hole currently remains in progress in early biotite alteration.

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# Necessary Permitting Received For Copper Hill Project

VANCOUVER – Manning Ventures Inc. has received the necessary approvals and permitting to proceed with its planned drill program at the Copper Hill Project, Nevada. Nine Reverse Circulation (RC) drill holes totalling approximately 2,500 meters are planned for this initial phase one drill program. The initial program will test for skarn mineralization on the contact between the limestone and the intrusive for the Northern and the Southern Zones.

The two zones outline target areas that returned significant copper values (0.5 to > 1.0% copper) in intense skarn alteration. The Copper Hill Project is comprised of 108 unpatented lode mining claims that cover 2,215 acres (896.3 Ha).

Recent geological mapping has identified four primary rock units within Triassic Luning limestone which was intruded by a Jurassic igneous complex which was then overlain by Neogene age Volcanic rocks and Quaternary aged unconsolidated gravels. Comparison of the geophysical interpretations and surface geochemical sampling results announced previously with the current geological mapping indicates a series of west-northwest and northwest trending structural fabrics providing the primary controls to copper mineralization at Copper Hill. The northwest faults and associated magnetic and gravity linears represent structural breaks and pathways for mineralizing fluids as witnessed by the elevated copper values returned within these zones.

Skarn-type alteration and mineralization is found throughout

the Mesozoic limestone and igneous rocks. It occurs in two prominent geologic settings on the copper hill property: 1) Limestone-granodiorite con-

tact. 2) Along northwest and west-northwest trending faults and fault zones; dominantly in the Jurassic igneous rocks with less intense, more distal-type skarn-

type alteration in the Triassic Luning Limestone.

Two exploration corridors termed the Northern Zone and the Southern Zone outline areas with

over 1500 meters (>5,000 feet) of strike length which host significant, intense skarn alteration and elevated copper values (0.5 to >1.0% copper).

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## BARRICK GOLD CORPORATION - RECAP

# Two Projects To Annually Produce Over One Million Au Ounces

TORONTO – Barrick Gold Corporation President and Chief Executive, Mark Bristow, said, “While steering the Company towards the achievement of its 2024 guidance, management was also maintaining its focus on value creation and growth. The recently permitted Goldrush mine in Nevada which is ramping up to annual production in excess of 400,000 ounces by 2028. The mine’s development plan incorporates drill platform access to support future growth through conversion of the mineral resource base, currently standing at 9.8 million ounces at 5.88g/t within indicated with a further 4.2 million ounces at 5.4g/t in the inferred category (100% basis). The adjacent Fourmile project, in Nevada, drilling has confirmed a grade which is consistently double that of Goldrush’s along the 2.5-kilometer strike length of mineralization. Ten diamond core rigs are currently on-site drilling in support of an updated mineral resource statement at the end of the year. Prefeasibility options are being assessed for a year-end decision on an asset that is demonstrating the potential for annual production in excess of 500,000 ounces over more than two decades. Fourmile’s proximity to the permitted Goldrush mine will facilitate its advancement.

On the copper side of the business, two world-class projects are set to deliver into a rising price and demand market. In Zambia, the Lumwana super pit expansion will increase the mine’s production from 130,000 tonnes to 240,000 tonnes per annum. The Reko Diq project in Pakistan is scheduled to deliver its first concentrate before the end of 2028. Reko Diq is one of the world’s largest undeveloped copper-gold deposit. With an estimated life of mine of 40 years, and with exploration targets supporting the potential to double that, Reko Diq will not only elevate Barrick into the front rank of copper producers, but is destined to economically transform the Balochistan province as well as to be a major growth engine for Pakistan.

The Reko Diq feasibility study remains on track for completion by the end of this year and, in the meantime, the construction of key enabling infrastructure is underway. Long lead items are being ordered so that work on the processing facility construction can start immediately once the final investment approval is given.

In the Dominican Republic, Pueblo Viejo is completing an expansion project designed to increase gold production to more than 800,000 ounces beyond 2040. The Margajita

River has been restored to its natural state, bringing back fishing activity to the area.

During the past quarter Barrick launched what is believed to be the industry’s first comprehensive biodiversity assessment tool. It was produced in collaboration with external experts and incorporates local knowledge and priorities to establish baselines and identify residual impacts. The development of the tool is another milestone in achieving Barrick’s differentiated sustainability strategy aimed at making a tangible difference on the ground, where it matters most.

“We are using this tool at all our sites which allows us to quantify both positive and negative impacts on biodiversity across our operations worldwide. This informed approach will guide targeted actions to take our already established rehabilitation and key biodiversity conservation initiatives to

another level,” Bristow said.

The Nevada Gold Mines’ Gold Quarry roaster — the older of the complex’s two roasters — is being extensively upgraded to increase its total throughput rate by 20%, improving cost efficiency and gold production. The final phase of the upgrade started late in Q2 and includes additional quench and solution cooling capacity and other major components.

The project also includes the replacement of the sulphur dioxide converter supporting emission controls.

At Kibali in the Democratic Republic of Congo, a cyanide recovery plant has been commissioned in what is the mining industry’s first full-scale application of an upflow reactor technology, which recycles the cyanide instead of destroying it. The plant is achieving its cyanide reduction design performance, maintaining cyanide in the tailings to below the 50ppm

target, while delivering an above-expectation additional gold recovery of 0.85%.

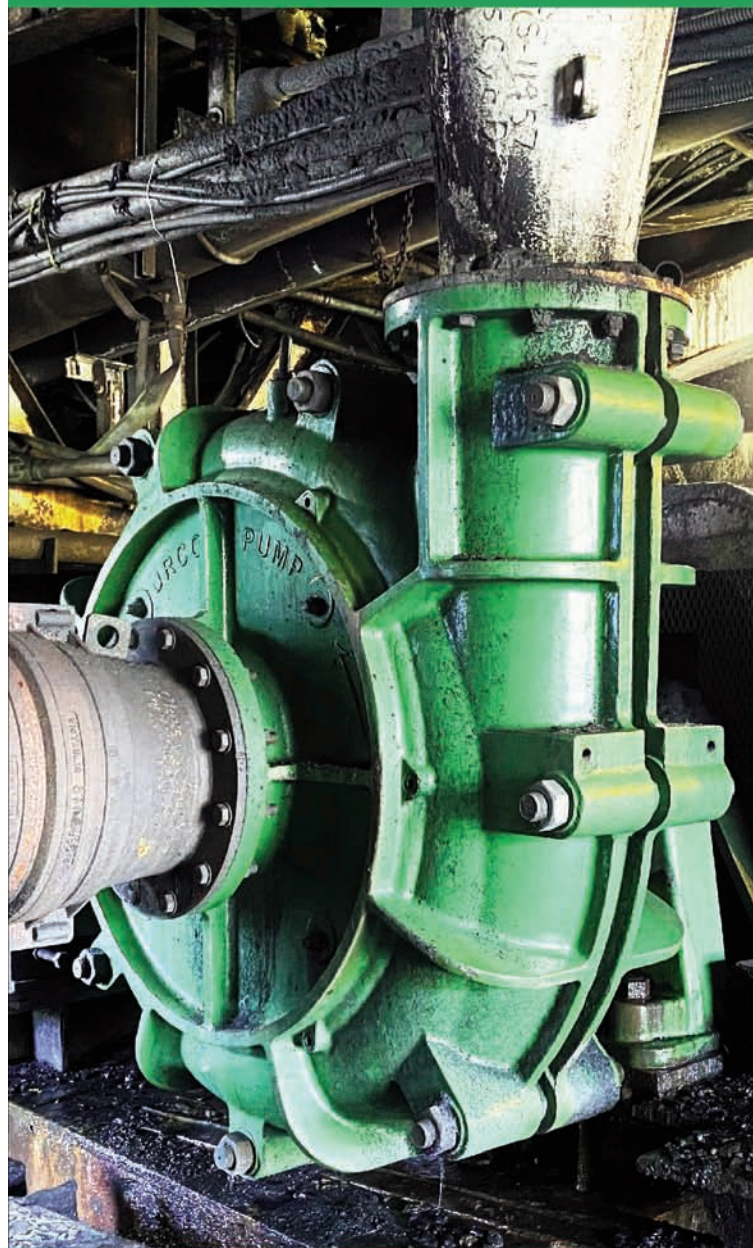
In the hunt for alternative leaching agents, testwork at Bulyanhulu in Tanzania has shown that a glycine-assisted leach in the cyanide-in-leach circuit significantly reduces cyanide consumption and reduces detoxification requirements. Glycine amenability bulk and pilot tests are also being conducted at Kibali and Loulo in Africa, as well as Nevada Gold Mines and at Veladero in Argentina, alongside evaluation of other lixiviant products.

Despite the operational challenges presented by the recent Mulitaka landslide, Porgera Gold Mine has met or exceeded its targets since resuming mining in December last year, with gold production and performance on all-in sustaining costs<sup>14</sup> for the first half of the year setting the mine up to achieve full year guidance.

Recently, the Barrick-operated Nevada Gold Mines (NGM), a joint venture with Newmont Corporation, has completed the construction of the second and final phase of a 200-megawatt solar power plant, which will have the capacity of producing 17% of NGM’s annual power demand while realizing an equivalent emissions reduction of 234 kilotonnes of carbon dioxide per year.

“The solar facility is one of many initiatives to reduce our reliance on carbon-based electricity sources. The Company is also in the process of modifying NGM’s TS Power Plant to use cleaner burning natural gas as a fuel source. Additionally, in 2023, we began introducing electric vehicles to our light vehicle fleet which included the required charging infrastructure in Elko and at the main mines Carlin, Cortez, Turquoise Ridge and Phoenix as well as here at the TS Power Plant.

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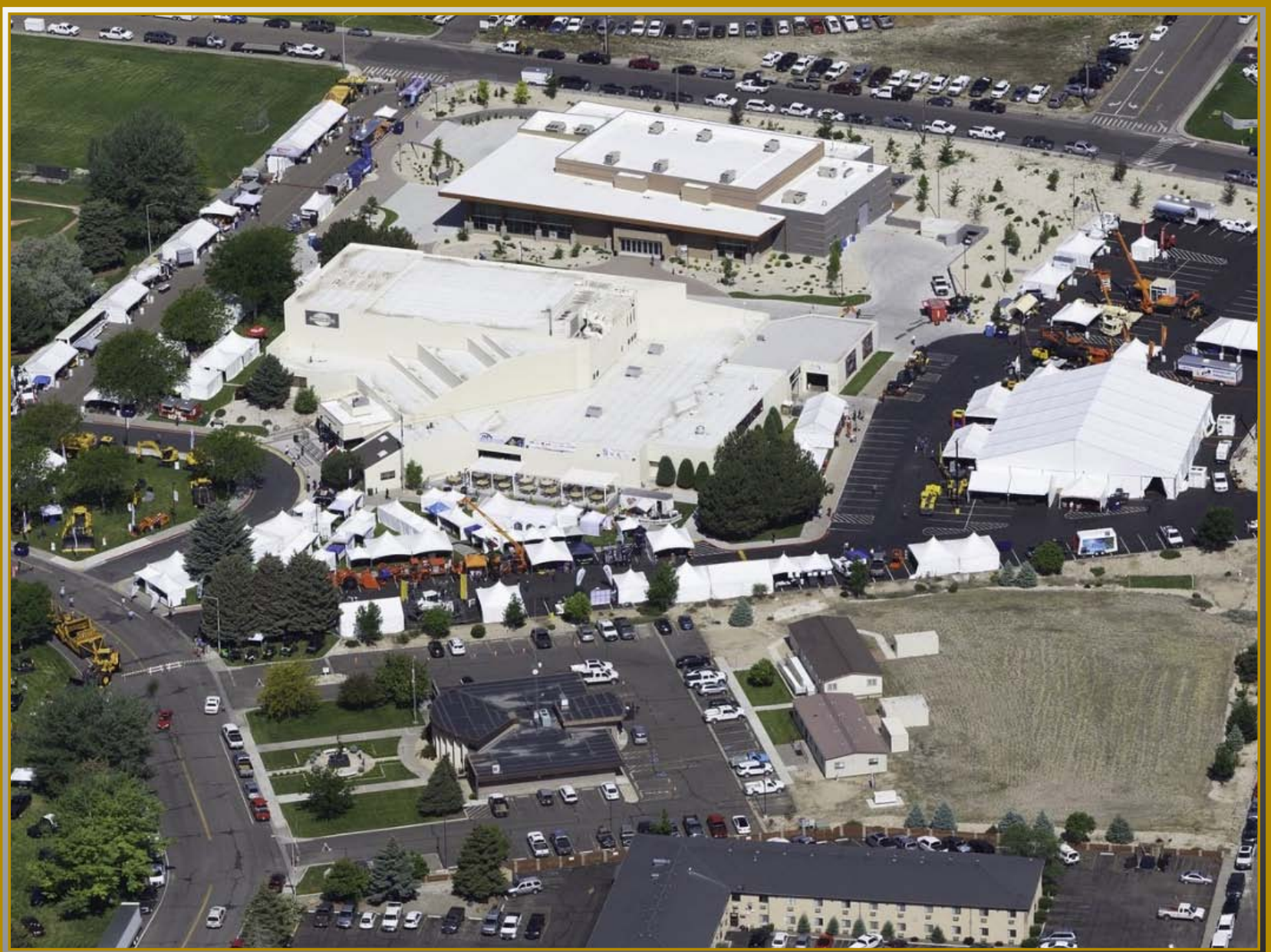


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# Nevada's Abandoned Mine Lands: Challenges, Growth & Balance

By: Randy Miller  
Principal Engineer and President  
Broadbent & Associates, Inc.

As Nevada's population continues to surge, especially in cities like Las Vegas and Reno, the state is grappling with a growing housing crisis. To support continued growth, Nevada must develop new housing inventory, some of which may be on or near abandoned mine lands. These sites, relics of historical mining activities, carry a complex history and pose unique challenges. At the center of this effort to balance development, public safety, and environmental and historical preservation is Broadbent & Associates, Inc. (Broadbent), an environmental consulting firm deeply involved in assessing and mitigating hazards posed by abandoned mines.

## The Historical Significance of Mine Sites

Mining has been a cornerstone of Nevada's history since the mid-19th century. During the Gold Rush and the subsequent silver boom, Nevada's underground riches drew thousands of miners, spurring economic growth and settlement in the region. By the early 20th century, Nevada had established itself as a mining powerhouse, contributing vital minerals to the national economy, particularly during key historical events. For example, Three Kids Mine, located just outside Las Vegas, was a significant source of manganese during World War II. These mines fueled the country's industrial expansion, but as mining practices evolved and commodity prices fluctuated, many sites were left abandoned.

A century ago, mining opera-

tions were far more primitive than the highly regulated and technologically advanced processes in use today. The focus was extraction of the target mineral(s); current agencies, laws, and regulations and sophisticated approaches, techniques, and permitting designed to prevent environmental impact did not exist. As a result, abandoned mine sites exist that can present hazards to modern communities that have since grown around them and can pose risks to health and safety for those recreating nearby or exploring these sites.

## Environmental and Public Safety Hazards

Risks posed by abandoned mine lands are multifaceted, both physical and environmental hazards exist. Physically, abandoned sites can include dangerous terrain, unmarked shafts, tunnels, and unstable ground that can easily injure hikers, dirt bikers, or curious adventurers and their pets who stumble upon them. Such risks are compounded by the remoteness of many of these sites, making rescue operations difficult and slow in case of an accident.

Environmental hazards are equally concerning. When these mines were operational, the extraction processes left behind substances like arsenic, antimony, and lead. These metals exist in ore deposits together with target minerals such as gold, silver, and copper and can remain in soil and waste rock materials surrounding old mine sites. Ultimately, metals can be released into surface water through erosion or into the atmosphere through wind or human activity. Exposure to these can result in chronic health issues for residents living nearby if not prop-

erly mitigated. Other liquid or solid chemicals and materials used as blasting agents in the past can also exist. These can be dangerous and should only be handled by properly trained professionals if discovered. Harmful underground air conditions can also exist and can be damaging or even fatal to curious explorers if they decide to enter past underground mine workings.

Managing these hazards is imperative, not only for public safety but also for preserving Nevada's water resources. Contaminated runoff from mine lands can pollute streams, rivers, and lakes, exacerbating an already delicate water supply situation in a state that relies heavily on limited water sources.

## Broadbent's Role in Mitigating Hazards

To address these threats, Broadbent has taken a leading role in Nevada's efforts to assess and remediate abandoned mine lands. Through partnerships with private industry and government agencies like the Bureau of Land Management (BLM), the U.S. Forest Service, the Nevada Division of Environmental Protection (NDEP), and the Nevada Division of Minerals (NDOM), Broadbent's expertise is used to manage and mitigate hazards at sites across Nevada.

As an example, Broadbent collaborated with NDEP, NDOM, and the BLM to design and construct a passive treatment system to mitigate arsenic impacted water draining from an adit at an abandoned mine in northern Nevada. Passive treatment systems that don't require a power source are effective at remote abandoned mine lands sites. Similarly, Broadbent is tasked with evaluat-

ing environmental risks at abandoned mines such as contamination of nearby water sources or the presence of toxic metals in the soil, under contract with NDEP. At the same time, the team must balance the need to preserve cultural and historical significance of these sites, ensuring that Nevada's rich and diverse heritage is not lost in the process. Under an ongoing contract with NDOM, Broadbent archaeologists record historic mine sites and evaluate their historical significance so NDOM can work to mitigate physical hazards.

## Legislative Challenges and Solutions

Environmental liability concerns have become a significant barrier to cleaning up abandoned mine lands. Industrial and mining companies, who would otherwise be interested in assessing and addressing hazards on abandoned sites located near their operations, are often deterred by the possibility of legal repercussions. Under current regulations, any company that voluntarily steps in to address contamination at an abandoned mine site can be held liable for environmental damage, even if it did not contribute to the original contamination. This legal framework deters private industry from participating in mine cleanup efforts.

However, there is a growing movement to change these laws. Industry leaders, government officials, and environmental advocates are pushing for legislative reforms to reduce liability for private companies that step in to help with remediation. In August 2024, the U.S. Senate passed the Good Samaritan Remediation of Abandoned Hardrock Mines Act of 2024

with unanimous consent. This bill is designed to address environmental damage caused by abandoned hardrock mines across the U.S. The Good Samaritan legislation would establish a new program under the Environmental Protection Agency (EPA) providing limited liability protections for up to 15 low-risk abandoned mine cleanup pilot projects conducted by state agencies, tribes, and qualified volunteer parties. This legislation, which now heads to the House of Representatives, could open the door for private industry to partner with government agencies in cleaning up and safely developing these sites.

## The Growing Urgency and Call to Action

The widespread use of social media has brought new visibility to abandoned mine lands, with influencers and adventure seekers sharing videos of their explorations online. While this raises awareness, it also increases the risk of injury and the potential exposure to harmful substances. Managing these sites has become more critical as they gain visibility in the public eye.

As communities and industry in Nevada and other states continue to grow, managing the risks associated with abandoned mines will become increasingly important. Broadbent remains committed to advocating for sensible reforms that protect the public, encourage responsible development, and preserve the historical significance of abandoned mine lands. By working together with government agencies, private industry, and community stakeholders, Broadbent aims to ensure that future development is both safe and sustainable.

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# Dome Drill Targeting To Expand Known Stockwork Mineralization

VANCOUVER - Goldstorm Metals Corp. reported on the drill holes of the 2024 diamond drill exploration program completed on the Electrum gold - silver property, located within the Golden Triangle region of British Columbia, Canada.

Ken Konkin, President and CEO, said "We are extremely pleased to have safely completed our second drilling program at Electrum. We completed Phase 1 drilling at the Dome Target and then continued with Phase 2 drilling on the newly discovery LP Zone where we identified visible native gold at surface. The objective of the Dome drill

targeting was to expand known stockwork mineralization that occurs throughout a topographically distinct dome-shaped knob. During our initial 2023 drill campaign, we discovered significant gold (Au) and silver (Ag) mineralization related to quartz stockwork that may be related to intrusive activity. Drill hole EL-24-17 identified a 48-meter intercept of brecciated volcanic rocks that contained pyrite-filled micro-fractures associated with quartz carbonate veinlets that returned 0.47 g/t Au with 5.00 g/t Ag over the 48m interval. This intercept suggests that the system may be centered further to the southwest of the Dome target. Our best drill hole results clearly came from the LP Zone. Our reconnaissance crews discovered fine-grained visible gold associated with narrow shear-hosted quartz-pyrite veins and surficial stockwork system. We encountered numerous elevated gold grades throughout the holes but the best gold value obtained

was from EL-24-15, which yielded 7.78 g/t Au and 3.54 g/t Ag over 1.5 meters from a quartz-pyrite vein. We also encountered an independent high-grade silver-dominant polymetallic vein that returned 1,766 g/t Ag and 1.39 g/t Au over 0.45 meters in drill hole EL-24-16. This is consistent with the geological evidence of a northern trending high-grade silver system associated with lead-zinc sulphide mineralization with minor gold values. This polymetallic system appears to be intertwined with a different hydrothermal pulse of gold-silver mineralization along the same northern trend. Reconnaissance crews discovered strong gold-silver phases adjacent to strong silver-lead-zinc mineralization northwards from Electrum, throughout the Fairweather and Delta Claims, on the eastern part of the 100% owned Crown Claim Group. These precious and base-metal pulses may be explained as

peripheral events to an intrusive-related (porphyry-style?) crystalline belt of rocks located immediately to the west, that may trend southwards from the Treaty Creek and KSM Deposits. Crews have also encoun-

tered significant copper-gold-silver mineralization on the eastern parts of the Crown Claim Group along the eastern flank of the Orion Spine; these are significant exploration targets that warrant further exploration."

## Program Expanded At Jabal Sahabiyah Project

TORONTO - Royal Road Minerals Limited reported on its exploration work in the Kingdom of Saudi Arabia. The Company carries out its exploration activities in Saudi Arabia through its local subsidiary, Royal Road Arabia Limited (RRA).

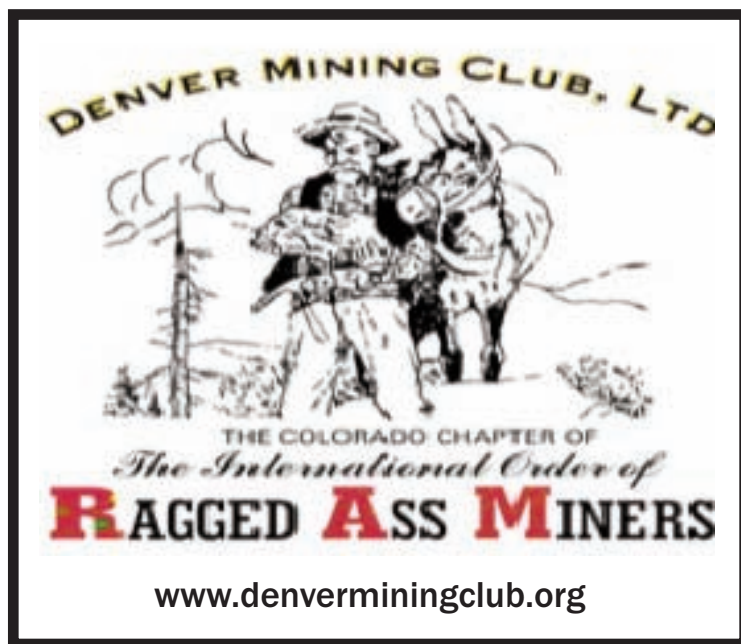
RRA was granted Winning Bidder of the Al Miyah tender area and received notification of a 90-day provisional award. However, upon RRA's request, the Ministry of Industry and Mineral Resources (MIMR) in Saudi Arabia has agreed to allow RRA to relinquish its rights to the Al Miyah tender. This decision enables RRA to concentrate on and expand its planned drilling activities in the Jabal Sahabiyah project area.

The Jabal Sahabiyah project consists of three contiguous Exploration Licenses and was awarded to RRA as Preferred Bidder in a competitive Licensing Round in January of this year. The license areas total approximately 284 square kilometers in areal extent and are located in Asir Province of the Kingdom of Saudi Arabia.

RRA interprets copper, gold and polymetallic mineralization at Jabal Sahabiyah to be controlled broadly by meta-intrusive rocks and associated metasomatism emplaced at or below a mid-crustal detachment. Previous work at Jabal Sahabiyah included regional and prospect-scale mapping, surface geochemistry, geophysics and scout-drilling.

The Jabal Muwayqirah gossan is located at the northern extent of an interpreted magnetic aureole and represents a shallow-dipping oxidized, erosional remnant of zinc, copper, gold and silver mineralization which extends below metamorphosed hangingwall rocks to the north and below alluvial cover to the south.

Mapping and new drone-borne magnetic data have revealed that exposed gossan at Jabal Muwayqirah is positioned on the limb of an (F3-generation) antiform. Auger samples taken from 3 meters below the surface of alluvial sediments have identified subtle zinc and copper anomalism which defines a geochemical trend around the antiform towards its hinge. The geochemistry, structural mapping and magnetic data has highlighted a south-southeast plunging drill-target of approximately 500 meters strike extent and unknown (down-plunge) depth extent. The gossan also continues beneath overlying metamorphic rocks to the north and may be exposed again around a synform and beneath alluvial cover to the east.



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# MINExpo INTERNATIONAL® 2024 Breaks All Records

WASHINGTON, D.C. – From September 24-26, in Las Vegas, Nevada, the National Mining Association (NMA) hosted 45,000 attendees and more than 2,000 exhibitors from 148 countries who came to see more than 850,000 square feet of exhibits at the world’s largest mining show, breaking all prior show records. The wide offering of innovative products and services showcased a leading-edge industry rising to the challenge of meeting soaring global materials and energy demand in a safer, smarter, more environmentally

responsible and more efficient manner than ever before.

“The response this year was beyond what we could have expected with unparalleled networking and dealmaking like we’ve never seen before,” said Rich Nolan, NMA president and CEO. “From the exhibitors to the new space in the convention center and our new streaming platform NMA TV, everyone stepped up their game and the results were extraordinary.”

The show included a speaker series featuring: Mike Rowe, writer,

narrator, producer, recording artist, Emmy-Award winning TV host, New York Times Best Selling author, and the CEO of the mikeroweWORKS Foundation; Kevin O’Leary, respected investor, author, venture capitalist, and judge on ABC’s Shark Tank and CNBC’s Money Court Reality Show; Danica Patrick, former professional racecar driver; Jon Dorenbos, magician, motivational and keynote speaker, former NFL player; and Dr. Kelly Monahan, managing director of the Future of Work Research Institute, Upwork, former Director of Future of

Work, Meta, and Organizational Behaviorist.

The agenda also featured two panel discussions. A producers panel was moderated by Denise C. Johnson, Group President of Caterpillar Inc. and MINExpo Chair, and included: Cassie Boggs, Interim President and CEO, Hecla Mining Company; Mark Bristow, President and CEO, Barrick Gold; Mitch Krebs, President and CEO, Coeur Mining, Inc.; Paul Lang, Chief Executive Officer, Arch Resources, and Chairman of the NMA Board of Directors; and Vicky

Peacey, General Manager, Resolution Copper. A manufacturer’s panel was moderated by Rich Nolan and included: Rod Duncan, President/Vice-Chairman, J.H. Fletcher & Co; Gary Johansen, Vice President of Power Systems Engineering, Cummins Inc.; Denise C. Johnson; Group President of Caterpillar Inc. and MINExpo Chair; Sean K. McLanahan; President & CEO, McLanahan Corporation; Danette Swank, President, Philippi-Hagenbuch, Inc.; and Bob Wise, Chief Operating Officer, Jenmar.

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### Exploration Work On The Huber Heights U Property Completed

VANCOUVER - Panther Minerals Inc. has completed a preliminary site visit and exploration work on the Huber Heights Uranium property, located in northern Elko County, Nevada. The Property comprises 35 unpatented mineral claims (700 acres, 283 ha), located near the village of Mountain City. All required BLM (Bureau of Land Management) and county fees have been paid, and the property is in good standing.

The Property lies within the Mountain City Mining District, centred approximately 110 kilometres north of Elko, Nevada. Uranium was discovered in the area in 1954, with limited production between 1958 and 1963. As reported previously the Property covers known uranium prospects and showings that were discovered in the 1950s, including the Autunite and October Group prospects, and the Huber Hills Granite Ridge Prospect.

Exploration activities comprise geologically mapping, prospecting visually and with a spectrometer, and soil and rock sampling. Recently additional soil samples have been submitted for analysis. Field examinations have largely corroborated the historical literature of two types of uranium mineralization. One type of uranium mineralization occurs along vertical fractures and/or shear zones in quartz monzonite (Autunite and October prospects) associated with intense alteration.

The other type of uranium mineralization is related to the contact zone between the underlying Cretaceous quartz monzonite and the overlying Tertiary volcanic sediments. Numerous areas of historic trenching were observed and several apparent adits, which are now collapsed and inaccessible. Both types of uranium mineralization tend to weather recessively due to associated alteration, and outcrop exposure is limited. Sufficient soil samples have been taken to determine background and anomalous thresholds to assist with planning the next exploration program and to define initial drill targets.

Scattered autunite (a secondary uranium mineral) has been observed on fractures in the granite, with some localized on NNW-trending faults.

Occasionally autunite mineralization (autunite is a radioactive secondary mineral resulting from the oxidation of uranium minerals associated with hydrothermal alteration) has been observed on fractures in granite, with some potentially localized along NNW trending faults. The granite is hydrothermally altered with propylitic and sericitic alteration observed locally.



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