

COMPREHENSIVE COVERAGE OF THE MINING INDUSTRY™

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THIRTEEN DECADES OF CONTINUOUS INDUSTRY COVERAGE www.miningrecord.com

February 2024



Denver, Colorado, USA

Metals Watch: Gold \$2,044.90/oz • Silver \$22.49/oz • Copper \$3.73/lb • Lead \$.96/lb • Zinc \$1.09/lb • Paltinum \$913.00/oz • Palladium \$972.00/oz • Uranium \$100.00/lb • Rhodium \$4,425.00/oz • Lithium \$13.55/kg • Coal: \$112.70/t

ARIZONA

Bagdad Complex Expansion To Double Current Production

McMoRan Inc (FCX), Chairman and Chief Executive Officer, Richard C. Adkerson, said, "The Company is planning an expansion to more than double the concentrator capacity of the Bagdad open-pit copper and molybdenum mining complex in northwest Arizona. Bagdad's reserve life currently exceeds 80 years and supports an expanded operation. FCX completed technical studies in late 2023, which indicated the opportunity to construct new concentrating facilities to expand capacity from 77,000 metric tons of ore per day to between 165,000 to 185,000 metric tons of ore per day. Incremental project capital costs approximate \$3.5 billion (excluding infrastructure that would be required in the longrange plans) and is expected to increase production by approximately 200-250 million pounds per year, which would more than double Bagdad's current production. Expanded operations also are expected to provide improved efficiency and reduce unit net cash costs through economies of scale. The decision to proceed and timing of the potential expansion will take into account overall copper market conditions, availability of labor and other factors, including progress on conversion of the existing haul truck fleet to autonomous and expanding housing alternatives to support longrange plans. In parallel, the Company is advancing activities for expanded tailings infrastructure projects required under longrange plans in order to advance the potential construction time-

In the fourth-quarter 2023 net income attributable to common stock of \$388 million and adjust-



The Bagdad is an open-pit copper and molybdenum mining complex. The first mill began operation in 1928 to process ore from the underground mine. Transition to open-pit mining began in 1945. Today, the expanded operations are expected to provide improved efficiency and reduce costs. Photo Courtesy Of Laszlo Photography

ed net income attributable to common stock of \$393 million, after excluding net charges totaling \$5 million, primarily associated with reserves for litigation settlements, partly offset by net adjustments to reclamation liabilities and international taxes.

"We enter 2024 with a focus on strong execution of our operating and investment plans, optimism on market fundamentals and a relentless drive to enhance the value of our strong portfolio of assets. Our global team achieved success during 2023 on a number

of important initiatives to enhance value, advance growth options and position us for the future. During 2024, we will continue to prioritize productivity gains, operating and capital cost discipline and the advancement of organic opportunities for future long-term growth. We are dedicated to increasing the long-term value of our attractive assets, supported by the successful track record of our experienced and committed team, strong financial position and exposure to copper and other commodities with favorable longterm market fundamentals," said

FCX is advancing a series of initiatives across its North America and South America operations to incorporate new applications, technologies and data analytics to its leaching processes. These leach innovation initiatives are providing opportunities to produce incremental copper from it's large existing leach stockpiles. Initial results are providing incremental low-cost additions to the expected annual production and the potential to add to FCX's reserve profile. The Company achieved its initial annual run rate target of approximately 200 million pounds of copper per year through these initiatives in fourthquarter 2023 (incremental copper production from these initiatives totaled 47 million pounds in fourth-quarter 2023 and 144 mil-

lion pounds for the year 2023). Continued On Page 20

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Near Surface Mineralization Intersected At MainSpring

CASA GRANDE, AZ - Arizona Sonoran Copper Company Inc.(ASCU) reported on the exploration program at the Main-Spring property, situated within the Cactus copper project in Arizona. A total of 7 of 11 ASCU drilled holes completed last year, and 22 legacy holes from the previous option holder indicate mineralization from the Parks/Salyer deposit nears surface as it extends south. Future drilling will test the open pit potential of MainSpring with the intent of updating the Cactus Mineral Resource Estimate post-Prefeasibility Study (PFS).

ECM-194: 1,053 ft (321 m) @ 0.20% CuT, of mineralization from 147 ft (45 m) depth; 48 ft (15 m) @ 0.35% CuT, 0.25% Cu TSol, 0.001% Mo (oxide); and 471 ft (144 m) @ 0.3% CuT, 0.29% Cu TSol, 0.001% Mo (enriched). ECM-195: 503 ft (153 m) @ 0.27% CuT of mineralization from 145 ft (44 m) depth; 41 ft (12.5 m) @ 0.63% CuT, 0.59% Cu TSol from 145 ft (44 m) depth (enriched); 208 ft (63 m) @ 0.44% CuT, 0.40% Cu TSol, 0.001% Mo (enriched) from 440 ft (134 m); and 41 ft (12.5 m) @ 0.63% CuT, 0.59% Cu TSol, from 145 ft (41 m) depth. ESC-010: 1,027 ft (313 m) @ 0.30% CuT of continuous mineralization; 170 ft (52 m) @ 0.59% CuT, 0.46% Cu TSol, 0.017% Mo (enriched); and 857 ft (261 m) @ 0.24% CuT, 0.009% Mo (primary).

ESC-047: 216 ft (66 m) @ 0.60% CuT, 0.51% Cu TSol, 0.011% Mo (enriched). ESC-046: 175 ft (53 m) @ 0.68% CuT, 0.65% Cu TSol, 0.004% Mo (enriched). ESC-030: 249 ft (76 m) @ 0.41% CuT, 0.31% Cu TSol, 0.006% Mo (oxide).

George Ogilvie, President and CEO, said, "The MainSpring

Property shows early signs of promise with continuous mineralization starting from near surface, that may have the potential for being open pittable. Given we



only started drilling MainSpring late in 2023. However, with continued drilling in 1H24, it has the potential to be included in future technical studies that may further enhance the production profile and economics of the Project.

The Cactus property continues to show itself as a lower risk copper project with few barriers to entry and low discovery costs. We are showing discovery costs per pound at Cactus of less than two cents per pound, indicating that we should continue our exploration programs, while concurrently developing our main project.

Our high-performing team continues to deliver excellent results and we expect this to continue with our 2024 work program which is currently being finalized and will be announced to the market shortly."









ALASKA

Whistler Au-Cu Project **Intersections Reported**

ANCHORAGE, AK - U.S. GoldMining Inc. reported on the drilling program at the Whistler Gold-Copper Project in Alaska. The Program comprised infill drilling which successfully confirmed continuity of the highgrade, near-surface core of the Whistler Deposit, and step out drilling which has extended the Deposit beyond previous known

WH23-03 intersected 547 meters at 1.06 grams per tonne (g/t) gold equivalent (AuEq), including 176 meters at 1.55 g/t AuEq. WH23-01 intersected 241 meters at 0.60 g/t AuEq, including 118 meters at 0.74 g/t AuEq. WH23-02 intersected 142 meters at 0.51 g/t AuEq, including 22 meters at 1.10 g/t AuEq.

Assay results have increased confidence in the continuity of mineralization within the Deposit's core of high-grade mineralization which extends to surface. The Whistler Deposit remains open along strike and at depth, and an additional 12 targets for potential discovery of additional porphyry hosted mineralization remain untested in the Whistler-Raintree area.

The Company plans to recommence an approximate 10,000 meter drilling program at the Project at the start of the 2024 field season.

Alastair Still, Chairman, said, "The 2023 Whistler drill program returned the longest drill intercept of consistent mineralization ever recorded at the Project: 547 meters at 1.06 g/t AuEq in WH23-03, which ended in strong mineralization and remains open at depth. Drilling also indicated an expansion of the Whistler Deposit to the southwest, which remains open along strike and at depth, and we have confirmed confidence that mineralization extends to surface in two of the three drill holes. In general our team has made significant breakthroughs in the geological model over the past year, completed the first drill program at the Project in over a decade, and delivered exceptional drill results that helped us to achieve our overall objective in 2023 of 'rediscovering' the Whistler Project, one of the largest undeveloped goldcopper resources in the United States not yet in the hands of a major."

OREGON

Drill Holes Completed At Stockade Mountain

VANCOUVER - Austin Gold Corp. has received gold assay results from the first two drillholes at its Stockade Mountain Project, in Malheur County, Oregon. These holes confirm that the mineralizing system at Stockade Mountain contains significant gold grades, with the strongest intercept of 8.19 g/t over 4 feet (1.2 m).

Stockade Mountain is a classic low-sulfidation/hot springs gold and silver exploration-stage project with a history of significant exploration work1980s-1990s. At that time, targeted mineralization was near-surface gold deposits minable by open pit methods. The last hole drilled was in 1993 by Placer Dome.

Austin's drilling program is designed to begin systematically testing beneath the gold/silverbearing stockwork mineralization for high-grade vein deposits using a conceptual model that is widely used in epithermal vein explo-





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ARIZONA

Florence Cu Project Tracking **Towards Production In 2025**

VANCOUVER - Taseko Mines Limited reported on the progress at its Florence Copper project in Arizona.

To date, site activities have focussed on site preparations, earthworks and civil work for the commercial wellfield. The initial drilling contracts are now being finalized, with drilling of the commercial facility wellfield commencing. Additionally, the Company expects to sign a fixed price contract with TIC Kiewit as general contractor for construction of the SX/EW plant and associated surface infrastructure. All the major plant components are onsite and the build will begin in the second quarter of this year.

Stuart McDonald, President & CEO, said, "We are excited to be ramping up construction activities at Florence Copper, which will soon be a major new supplier of low-carbon copper cathode



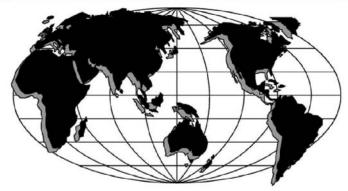
to the US market.

Site preparations and civil work are well advanced, and we're looking forward to commencing wellfield drilling, with four rigs planned to be onsite initially. Construction of the SX/EW plant and other infrastructure represents a significant portion of the remaining project spend, and a fixed-price contract with TIC Kiewit will reduce inflationary risks, as Arizona continues to be a very active construction market. Our early work on detailed engineering and procurement of long-lead items has significantly de-risked the construction schedule and we're tracking towards first copper production in the fourth quarter of 2025.

We're taking a disciplined approach to the buildout of the commercial facility at Florence, while our existing operations at the Gibraltar Mine continue to generate good cashflows in a strong copper price environment."

The Company also has signed a definitive agreement with Taurus Mining Royalty Fund L.P. for the previously announced sale of a US\$50 million royalty. The royalty will be for 1.95% of the gross revenue from the sale of all copper from Florence Copper. Funding of the US\$50 million is subject to customary closing conditions. The Company also expects to drawdown the first US\$10 million of the US\$50 million Mitsui financing. With these financings in hand, construction activities at will be accelerating.

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Commencement Of Drilling At Tonopah Gold Project

VANCOUVER, BC - Viva Gold Corp. reported on plans to commence reverse circulation drilling operations at its Tonopah Gold Project this month. All drilling contracts are signed, and the Company has been granted approval by the US Bureau of Land Management for its Work Plan #42, allowing up to 23 new

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drill locations. Viva anticipates drilling approximately 12 to 15 holes to an average planned depth of 150 meters in this program. Archaeologic clearance and con-

struction of drill pads is commencing. Tonopah is located on the Walker Lane mineral trend in western Nevada, 20 minutes' drive from the town of Tonopah.

The focus of this program is to further delineate the new, nearsurface, high-grade (>1.0 gram per tonne) gold zones discovered in our 2022/23 drill programs. These discoveries were typically related to approximate northsouth splay fractures. A majority of the drillholes planned for the 2024 program are designed to offset the splay zones defined in the 2022/23 program to better determine the width extents and continuity of those zones. Other holes are designed to test undrilled gaps between known mineralized zones. James Hesketh, President &

CEO, said, "As part of our recent resource modelling efforts at Tonopah, we determined that additional drilling was required to better define the width dimension of the newly discovered splay zones as well as to further infill along the strike length of those zones. All of these new drill-holes are planned in the eastern half of the main pit zone for new discovery. We believe that this additional drilling will help to further grow the shallow high-grade zones for early mining, while also helping to convert material previously carried as waste in our pit designs into mineralized resource. Either or both outcomes, if successful, will work to further improve project economics. Viva further plans to complete a new resource estimate and to advance Tonopah towards permitting and pre-Feasibility Study status."

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MONTANA

Hog Heaven Exploration Drilling Program Expands Area

PHOENIX, AZ - Ivanhoe Electric Inc. reported on the ongoing exploration program at the Hog Heaven Project located on private land approximately 50 miles southwest of Kalispell, Montana.

The Company is encouraged by the recent drill results at our Hog Heaven Project in Montana. The team continues to find widespread mineralization, which appears to remain open in several directions. Ivanhoe believes the data obtained from recent drilling provides evidence of a nearby porphyry source.

Additionally, we recently completed a TyphoonTM geophysical survey over parts of the district. The results of the survey, should be received this month and will assist in targeting future exploration efforts.

The Hog Heaven district consists of several high-sulfidation epithermal mineral deposits and prospects, as well as several historical mines, including the Flathead Mine.

The ongoing drill program, which began in June 2023, is designed to search for additional silver, gold, and copper-rich high-sulfidation epithermal mineralization, which was the focus of historical mining activities. Our program is also intended to search for porphyry copper mineralization at depth.

Ivanhoe Electric's current exploration drill program at Hog Heaven has completed twelve drill holes totaling 10,905 meters. Exploration drilling has stepped out to the west and southwest, where mineralization remains open. One diamond drill rig is currently on site and will operate through the winter as weather permits. Assays have been received for nine holes, with assays pending for three holes in addition to HHD-013, which is currently being drilled.

In November 2023 the Company conducted a TyphoonTM geophysical survey covering approximately 10 km2 of land, which was designed to cover the core areas of known prospectivity.

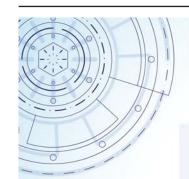
Ivanhoe Electric's drilling around the Flathead Mine has intersected precious and base metal-bearing high-sulfidation epithermal mineralization over broad zones, generally as intersected in HHD-005, through to HHD-009. These results are punctuated by narrow veins and massive sulfides, often with exceptional silver and gold grades, including in hole HHD-007, which returned a one-meter vein containing 2,180 g/t silver and 5.16 g/t gold.

High-sulfidation mineralization is generally strongest along the permeable margin of a diatreme pipe that cuts the belt

supergroup sediments but is also influenced by latite porphyry intrusions.

Drilling efforts continue to intersect the geological features commonly associated with porphyry deposits. In addition to observations previously reported in drill holes HHD-003 and HHD-004, recent drill hole HHD-010 (assays pending), completed, intersected an intrusive with numerous fragments of various compositions containing porphyry vein stock-

At shallower levels, the intrusion itself is altered and mineralized by the high-sulfidation assemblage as seen at the Flathead Mine, but at depth the alteration gives way to higher temperature white micas, providing an important vector towards higher temperature, potentially copper-rich mineralization below or laterally.





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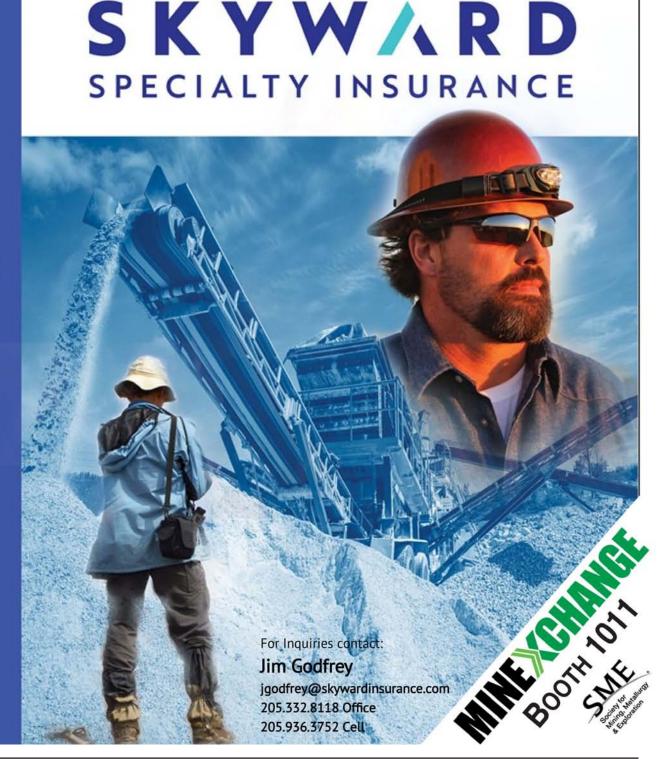


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High Profile Targets Identified For The Eastside District

TONOPAH, NV - Allegiant Gold Ltd. announced the start of drilling at its Eastside property in Nevada. At this time, the drilling program will consist of drilling eleven (11) diamond core drill holes (DDH) for a total of approximately 3,200 meters; the drill holes will be within three distinct areas of the Eastside District including two principal zones: the Castle and McIntosh Zones.

Peter Gianulis, CEO said, "We are excited to get back in the field and drill and test these three high impact zones at Eastside. I believe this drill program to be one of the most significant and important work programs that Allegiant has undertaken in the past 3-4 years. I want to thank our entire team for their dedication and discipline in creating a robust exploration model incorporating over 60,000 meters of drilling and assays, thousands of geochemical samples, geological maps, geophysics and the recently completed structural geological mapping and interpretation. I am confident that this gives us the best opportunity for continued success in making the Eastside District one of the premier projects in the State of Nevada..'

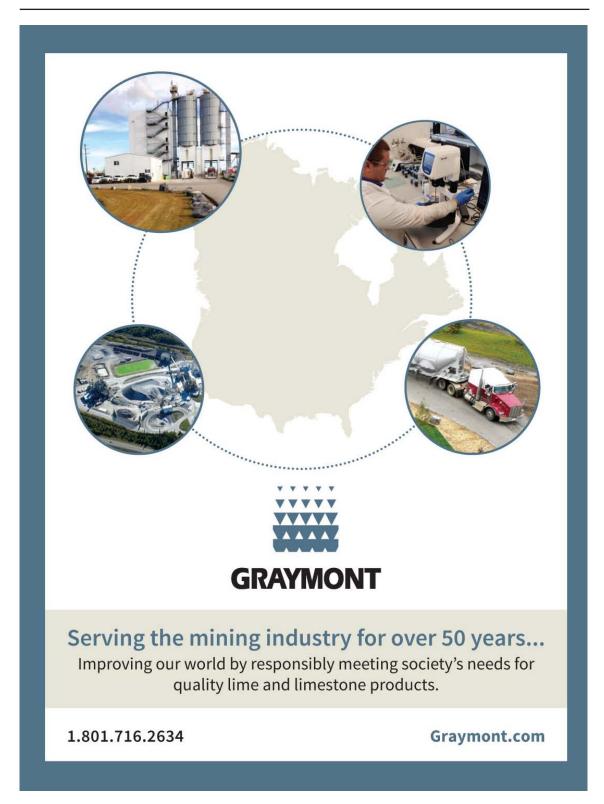
At the McIntosh Zone, the Company plans to drill 3 to 4 diamond core drill holes at the High-Grade Zone down to a depth of approximately 400 meters (approximately 1200 to 1600 meters of total drilling).

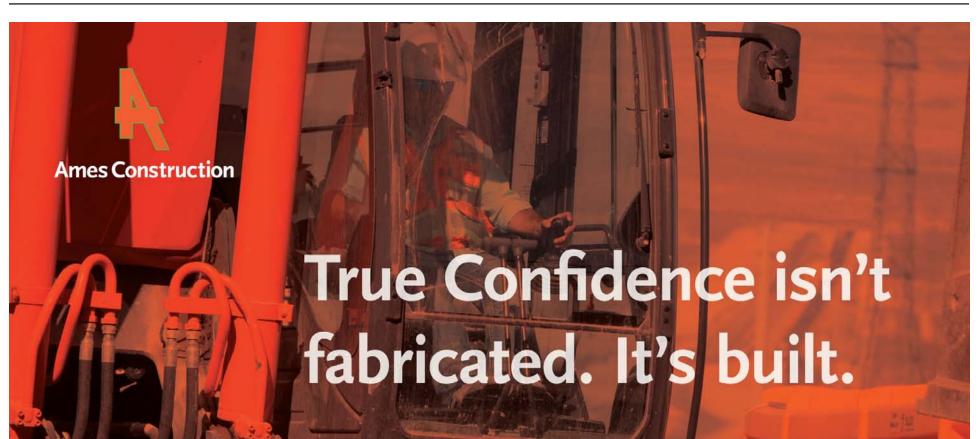
The program will test the working hypothesis that precious metal (gold-silver) mineralization is hosted by parallel, sheeted, epithermal veins containing zones of high-grade gold and silver as identified in prior drill programs. For example,

drill hole ES-243 returned high grade intercepts of up to 89g/t Gold and 217g/t Silver that indicate the potential for Bonanza style epithermal gold-silver mineralization. The main goals of the 2024 drill program are to better comprehend the distribution of gold and silver mineralization (especially in the highgrade areas) and how it is controlled by lithology and structure; greater understanding of these controls will lead to more accurate targeting of zones of high-grade gold-silver mineralization, and potentially an upgrade of the overall average gold and silver grades of the deposit. All the data acquired throughout these planned programs will be integrated into a single 3-dimensional computergenerated model that will be used for drill planning, resource estimation and mine planning using the most up-to-date soft-

Furthermore, Allegiant expects to drill 2 additional diamond core drill holes (800 meters total drilling) to test the South Hill, an area that lies immediately to the south of the McIntosh Zone and is believed to be a fault off-set extension of mineralization to the north and may occur closer to the surface.

Both the McIntosh and South Hill drill holes will be testing for sheeted, epithermal-style, vein hosted gold-silver mineralization that is believed to host potentially economic gold-silver mineralization. Additional holes may be added to the drill program if initial results prove encouraging. The Company has a fully permitted exploration Plan of Operation (PoO) in place at both the McIntosh and the South Hill Prospects.





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IDAHO

Strong Mineralization Continuity From DeLamar Drill Results

VANCOUVER - Integra Resources Corp. reported on the 4,597 meter (m) highwall geotechnical and metallurgical drill program at the DeLamar Project located in southwestern Idaho.

The results include 10 drill holes representing 1,376 m from the drill program. The highwall geotechnical and metallurgical drill program was completed in November 2023. The material

from this drill program will be used for comprehensive analysis including mineralogical characterization and Crusher Work Index (CWI) testing, as well as bottle roll, permeability, and column leach testwork to better understand characteristics for future heap leach mining. In addition, geotechnical drilling was completed in the proposed open pits at the Project to evaluate the

stability of high walls and to provide more information for the 3D geotechnical model. The drill program was completed in support of the Draft Mine Plan of Operations (MPO) and to gather additional data for a future Feasibility Study on the Project.

The latest drilling highlights from the DeLamar Deposit include: 1) DH-DLM-23-MET22: 0.76 grams per tonne (g/t) gold (Au) and 257.43 g/t silver (Ag) (4.07 g/t gold equivalent (AuEq)) over 41.45 m. 2) DM-23-MET-P11: 0.40 g/t Au and 21.58 g/t Ag (0.67 g/t AuEq) over 54.86 m.

The latest drilling highlights from the Florida Mountain Deposit include: 1) DH-FLM-23-MET03: 0.74 g/t Au and 13.28 g/t Ag (0.91 g/t AuEq) over 157.43 m. 2) DH-FLM-23-MET04: 0.91 g/t Au and 13.46 g/t Ag (1.09 g/t AuEq) over 69.50 m. 3) DH-FLM-23-MET13: 0.54 g/t Au and 6.62 g/t Ag (0.63 g/t AuEq) over 99.97 m.

The drill results demonstrate the strong continuity of mineralization at DeLamar, including multiple drill holes with mineralization beginning at surface.

President, CEO & Director, Jason Kosec. said, "The drill results announced come from a program primarily designed to collect additional gold-silver mineralized material for metallurgical and geotechnical testing. Intersecting significant widths of mineralization in metallurgical and geotechnical drilling demonstrates the strong resource continuity at DeLamar. Furthermore, mineralization beginning at surface in multiple drill holes highlights the low-strip ratio at the Project with minimal waste or overburden sitting above in-situ resource. With the MPO submitted to the Bureau of Land Management in December.





CANADA HONDA DISCOVERY Continuity Of Cu-Au Mineralization Confirmed

VANCOUVER - Pan Global Resources Inc. reported on two further drillholes from an 11-hole step out drill program at the Cañada Honda copper-gold (Cu-Au) discovery, on the Escacena Project in the Iberian Pyrite Belt, southern Spain. Drilling has resumed, with additional holes planned targeting extensions of Cañada Honda copper and gold mineralization.

Tim Moody, President and CEO, said, "These excellent results provide further indication of size potential and continuity of the copper-gold mineralization at the Cañada Honda target. We are also excited about the results showing significant gold in the structural hanging wall at Cañada Honda.

The next steps at Cañada Honda include further drilling to test for shallow extensions in the east, where copper-gold soil geochemistry indicates the mineralization comes to surface, and further test a large gravity target that extends for two kilometers to the west."

Two styles of mineralization are recognized at Cañada Honda: 1) Copper-gold volcanogenic massive sulphide (VMS) style mineralization (pyrite, chalcopyrite), including stockwork, semimassive and massive-sulphides hosted within shales, similar to the host rocks at the former Aznalcóllar and Los Frailes mines, 4km to the east. 2) Gold mineralization associated with quartz-sulphide (pyrite, and lesser chalcopyrite, sphalerite and arsenopyrite) veins and stockwork within folded and fractured shale and quartzites, in the structural hanging wall above the copper-gold mineralization.

The Escacena Project comprises a large, contiguous, 5,760-hectare land package controlled by Pan Global in the east of the Iberian Pyrite Belt.

BARRICK

Gold Production Is Higher For Full Year

TORONTO — Barrick Gold Corporation reported preliminary full year and fourth quarter 2023 production results. On the back of higher Q4 production, preliminary gold production for the full year of 4.05 million ounces was consistent with forecast as guided in third quarter release. Preliminary copper production of 420 million pounds for 2023 was within the guidance range of 420 to 470 million pounds.

Gold production was an improvement on Q3 and was the highest quarter for the year with stronger performances from Cortez, Phoenix and Pueblo Viejo. This was partially offset by lower production at Loulo-Gounkoto, as planned, which still finished the year at the top end of the guidance range. Compared to Q3, Q4 gold cost of sales per ounce is expected to be 6% to 8% higher, total cash costs per ounce are expected to be 7% to 9% higher and all-in sustaining costs per ounce are expected to be 8% to 10% higher than the prior quarter.

Preliminary Q4 copper production was in line with Q3, with consistent production across all three sites. Compared to Q3, Q4 copper cost of sales per pound is expected to be 8% to 10% higher.





Positive PEA For The Churchrock In-Situ Uranium Project

TORONTO - Laramide Resources Ltd. announced the positive results of an independent Preliminary Economic Assessment (PEA) for the Churchrock In-Situ Uranium Project located in New Mexico. The PEA has been prepared in accordance with the

requirements of National Instrument 43-101 (NI 43-101)

"Laramide is pleased with the results described in this PEA analysis of the Churchrock Project, which is the first economic study to consider the entirety of the large and robust resource amen-

WASHINGTON

Drill Holes Test VTEM-30 At Buckhorn 2.0 Property

VANCOUVER - Adamera Minerals Corp. has received assay results from two drill holes that tested the VTEM-30 target on the Buckhorn 2.0 Gold Property in Washington State. No significant gold values were reported.

Mark Kolebaba, President and CEO, said, "While these results are disappointing, the fact that we drilled such impressive sulfide intercepts on a "blind target" means our methodology is effective. The VTEM-30 target is large, measuring approximately 1050m x 650m. The nearby Buckhorn gold deposit is contained within a significantly larger geophysical anomaly, similar in size to the VTEM 30. This implies that drilling from a single site on VTEM-30 may not have fully tested the gold potential of the

We have many impressive geophysical targets in close proximity to the Buckhorn mine that **2.0 Property**have yet to be tested. To this extent, I am frustrated that market conditions are such that we only got to drill one feature in 2023. Our geophysical targeting has

proven effective in identifying sulfide bodies so we must persist towards a discovery. The proximity to a high-grade ore body certainly strengthens our commitment to test these targets."

Adamera has essentially tested

4 separate targets on the Buckhorn 2.0 property and will continue to evaluate more than 30 untested targets for exploration drilling. The company is considering the application of new geochemical techniques to assist in target prioritization.

The Buckhorn Gold Mine is

located 1.5 kilometers from the VTEM-30 target and is within a similar geological setting. The Buckhorn mine produced 1.3 million ounces of gold at a grade of about 13g/t.

able to ISR development. The study confirms that Churchrock has the potential to be a long life, high margin project," said, Marc Henderson, President and CEO. "Importantly, as a late-stage development project located in the western United States, Churchrock is positioned to address some of the potential nuclear utility security of supply concern."

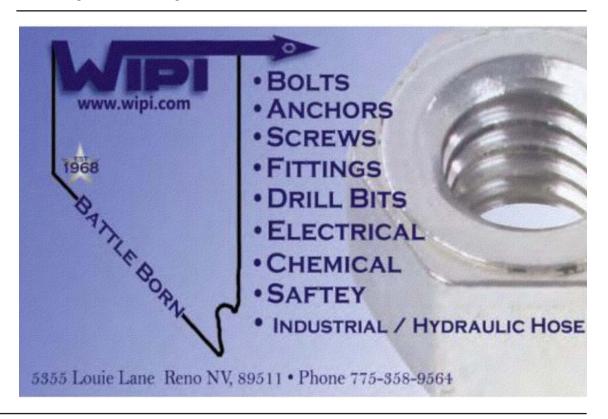
The base case economic assessment results in a pre-income tax internal rate of return (IRR) of 62% and a pre-income tax net pre-

sent value (NPV) of US\$287 million when applying an eight percent discount rate and \$75 uranium price.

The economic assessment reflects the development of a steady state 3,000 gpm (gallons per minute) in situ recovery (ISR) operation, which includes Churchrock Satellite Plants, Crownpoint CPP (Central Processing Plant), and associated wellfields near Churchrock, New Mexico. The PEA assumes recovery of approximately 68% of the uranium

resource in the production area.

The capital and operating cost estimates for ISR mineral recovery and yellowcake production in the PEA are based on factored costs from other comparable ISR operations, judgment, and analogy. Although there was some previous commercial underground mining production experience at Churchrock area, this Technical Report concerns only the ISR method for the U3O8. An economic analysis was performed using the assumptions outlined.







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Round Mountain Production Projected To End Of Decade

TORONTO - J. Paul Rollinson, President and CEO of Kinross Gold Corporation, reported, "Our decision to proceed with Round Mountain Phase S underscores the successful optimization work to build a lower-investment, high-return operation that we expect will add approximately 750,000 ounces to the life-of-mine production profile. The future of Round Mountain has become clear, with the approval of Phase S, combined with Phase W that we are currently mining, we're now expecting production at Round Mountain until the end of

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the decade. Longer-term, we see strong potential to supplement that production with high-grade contributions from Phase X and Gold Hill, which we continue to explore and study.

Round Mountain Mine, in Nevada, reported that production increased compared with the previous quarter primarily due to higher-grade ore from Phase W2. Quarter-over-quarter, cost of sales per ounce sold was slightly higher due to timing of ounces recovered from the heap leach pads, however it was lower than expected due to increased stacking and mill grades.

Year-over-year, production increased slightly due to higher grades, and cost of sales per ounce sold increased mainly as a result of less capital development.

The is continuing to mine Phase W2 and will be proceeding with mining of the optimized Phase S open pit early next year, providing production out to the end of the decade and a bridge to the potential higher margin underground opportunities at Phase X and Gold Hill, which the Company continues to explore and study.

The Company also announced

that the optimization work at Phase S over the last year has resulted in an improved design with a lower overall strip ratio, higher grade, similar overall ounces, and a significantly lower capital investment and cash outflow.

This was achieved by stepping-up the pit design in areas that had higher stripping, lower-margin ounces and identifying opportunities to add some near-surface, lower-strip ounces that come earlier in the plan, helping to reduce the cash outflow in the near term. With this optimized design and plan, at current gold prices we expect Round Mountain to be able to self-fund the Phase S expansion, driving a significant change in the risk profile and return of this expansion for the Company.

Phase S is expected to increase life-of-mine production by approximately 750,000 Au eq. oz. and generate an incremental internal rate of return (IRR) of 45% and incremental net present value (NPV) of \$170 million. Initial capital expenditures are expected to be \$170 million, of which \$140 million is related to pre-stripping. The remaining \$30 million is planned for an expansion of the existing North Heap Leach Pad and some additional tailings infrastructure.

Phase S is expected to improve the cash cost at Round Mountain, particularly later in the mine life, as the mine plan reaches the higher-grade Phase S ore towards the bottom of the pit. Including Phase S, the Company expects Round Mountain to produce approximately 215,000 Au eq. oz. per

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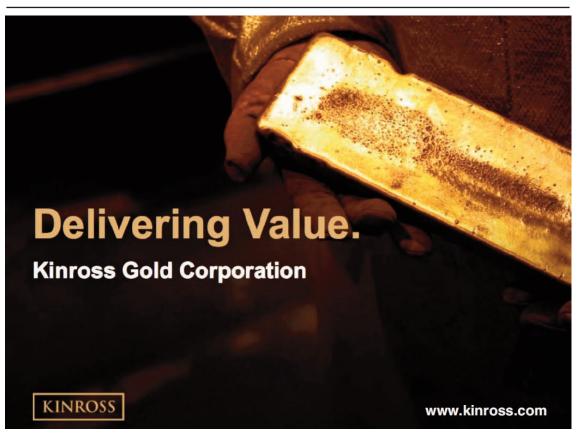
year from 2024-2028.

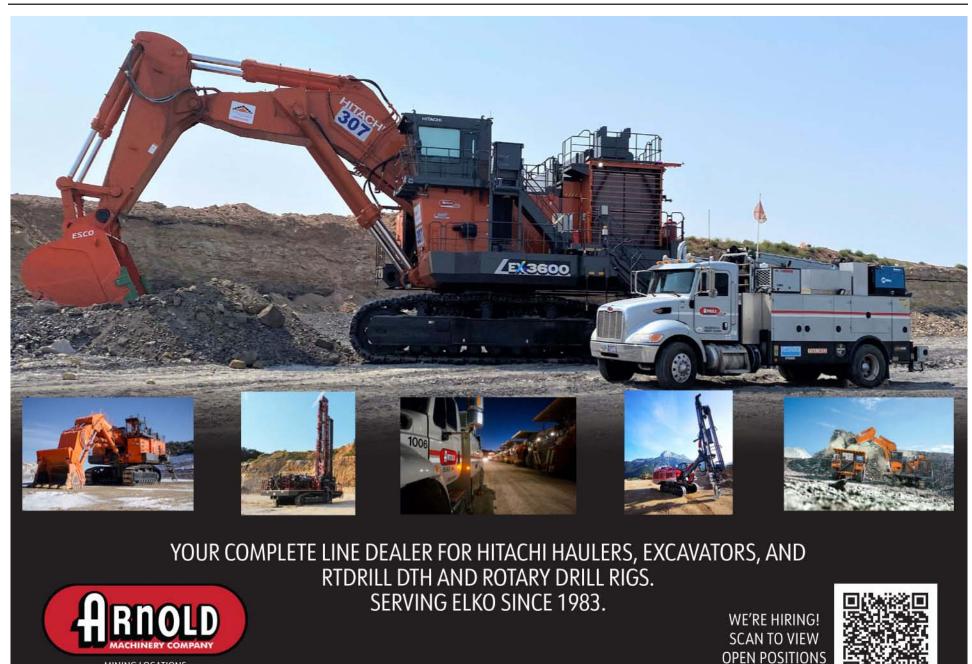
The combination of the optimization results and extensive technical diligence completed over the last year on Phase S provides confidence in strong returns and margins while proceeding with this next phase of mine life at Round Mountain.

By providing meaningful production scale at Round Mountain out to the end of the decade, the Phase S pushback could also drive cost synergies if the Company proceeds with future underground mining at Phase X and Gold Hill. The two underground opportunities continue to show potential for higher-margin, higher-return operations at Round Mountain, particularly when combined with production and scale from Phase S.

While still mining Phase S, Round Mountain could potentially develop and ramp-up Phase X underground, which could then concurrently be exploited with Phase S in the second half of the decade. Gold Hill underground development could follow Phase X, adding higher-grade mill feed to supplement production from Phase X at the end of the decade and into the 2030s.

At Phase X, construction of the exploration decline continues to progress well with approximately 1,000 metres developed so far, remaining on plan to start definition drilling in early 2024. Kinross has also initiated technical studies for the Phase X project. Phase X is envisioned to be a bulk long-hole open stoping operation. Current intercepts suggest 3 to 4 g/t average stope grades.





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Phase 5 Confirms Strong Grade & Near Surface Mineralization At Black Range Zone At Black Pine Oxide Gold Project

VANCOUVER - Liberty Gold Corp. reported on the core drill program at the Back Range Zone at its Black Pine Oxide Gold Project in southeastern Idaho. Drill results from the three core drill holes that were completed in the Back Range Zone have been received with results confirming the strong grades and near-surface mineralization. These core holes were drilled for a Phase 5 metallurgical program projected to begin in 2024 and to gain insights into the complex structural controls in this area.

Drill holes LBP956C and LBP968C were the second and third best holes drilled to date at the Back Range Zone on a grams per tonne x meter (g/t x m) basis and intersected strong grades of oxide gold mineralization, with the cyanide soluble assays showing an average of 74% and 87% recovery respec-

These drill results come from a highly deformed, strongly decalcified package of structurally thickened middle plate siltstones. Drill hole LBP969C was drilled for metallurgical testing purposes and hit asexpected results.

Cal Everett, CEO and Director, said, "The high grade, oxide gold intercepts from the recent



core holes in the Back Range Zone are an important beginning for Liberty Gold this year. The resource grade of Back Range is approximately 20% higher than the average grade of the rest of the Black Pine resource areas discovered to date.

Liberty Gold anticipates approval of the fourth Plan of Operations by mid year that will allow us to drill test the 800 meter long gap between Back Range and the main Discovery area. An updated resource estimate is being completed, which will be the basis for the Pre-feasibility Study due in H2 2024. While these new results will not be included in the new resource estimate, they will be included in future resource updates.

Additional core holes in the Discovery area, Tallman and M Zones are pending final analysis."

Based on these results and reverse circulation drilling, additional drilling is warranted in Back Range in 2024. New insights on structural controls at Back Range show strong targets to the west, southeast and northeast where the middle plate rocks are largely untested. Also, the permit amendment Plan of Operations (PoO) #4, is expected to be received in H1 2024. This permit will increase our drillable target area by 36% to cover a 40 square kilometer area, adding another 7 large target areas and will allow access to the high priority target area located in between the Back Range Zone and the Main Discovery area. This target encompasses an area of approximately 1.5 square kilometers that has only seen sparse, shallow historic drilling.

The Back Range Zone hosts an indicated resource of 32,000 ounces of oxide gold averaging 0.62 grams per tonne of gold (g/t Au) in 1,584,000 tonnes (t) and an inferred resource of 77,000 ounces of oxide gold averaging 0.63 g/t Au in 3,783,000 t.

Sunnyside Cu-Pb-Zn-Ag Exploration Project Has Positive Drilling Results

VANCOUVER - Barksdale at depth. SUN3 hole updates Resources Corp. reported on the SUN2 drill hole, completed as part of the ongoing Phase I drill program at the Sunnyside copper-lead-zinc-silver exploration project in Arizona. SUN-002 reassays of the chalcocite zone have been completed. The zone hosts copper mineralization with a strong silver component that correlates well with historic drilling that extends nearly 2km to the northwest: 27m at 0.33% copper, 13.9 g/t silver, 0.04 g/t gold, 0.13% zinc from 332 meters, including 9.15m at 0.49% copper, 28.8 g/t silver, 0.05 g/t gold, 0.22% zinc from 332 meters.

Rick Trotman, President and CEO, said, "The final assays for SUN2 significantly extend the known footprint of the chalcocite zone that occurs both above and proximal to the Sunnyside porphyry complex. The shallow zone of copper and silver mineralization is now believed to span approximately 2.1 km east-west and 1.75km north-south, ranging in thickness between 15 and 170 meters thick. This district is loaded with potential, and we are excited about the potential for not only this shallow mineralization but the main target for this program, which is the CRD/Skarn system soon, which is targeting the deeper system."

Copper sulfide mineralization logged in SUN-002 consists of pyrite-chalcocite (+/-) sphalerite between 332 and 360m. This zone is correlated with the nearest historic drill holes over 700m away, showing that an extensive, sub-horizonal zone of mineralization is present at shallow depths across much of the permitted drill area.

Drilling on SUN2 was completed using HQ and NQ size diamond drill core. The core was logged by experienced geologists engaged by the Company. Drill holes are logged and marked for sampling prior to being sawn in half using a diamond blade saw, with one half of the sawn core being placed in a cloth sample bag, with a unique sample tag, while the second half was returned to the core box for storage on site. Sample assays are being performed by ALS Geochemistry, an accredited (ISO 9001) laboratory. Core samples are analyzed for total copper and gold as well as a multi element ICP Analysis.

The Sunnyside Project is in the Patagonia Mountains. The project is approximately 21km2 (5,223 acres) and is cored by a large intrusive complex



Pumpkin Hollow Ramp-Up Towards Steady State Operations

YERINGTON, NV - Randy Buffington, President and CEO of Nevada Copper, said "Since restarting mining and milling operations, Pumpkin Hollow underground mine, we've made progress in a number of areas, including completion of life of mine projects such as the Geho dewatering system and phase two of the underground crushing and ore handling system, development of significant stope inventory underground and realignment

of the site operations team, under the leadership of Chuck Pollard as Assistant General Manager. However, several unforeseen setbacks impacted our progress on meeting operational targets. We took critical steps and refocused resources to mitigate and address these issues. The hoisting and ore handling system has returned to full capacity and mill operations continue to incrementally improve with over two months of mill feed stockpiled on surface. While I am disappointed that these challenges have negatively impacted our ability to meet hoisting and processing targets, we continue to ramp-up toward steady state operations."

Several key milestones have been achieved across many aspects of the mine, including completion of critical LOM projects and restart of all significant operations, however, key fourth quarter operational targets were not met.

In addition to the completion

and commissioning of the Geho dewatering system and the second phase of the ore handling system, other LOM infrastructure improvements include the drilling of a new fuel delivery hole, drilling of a second paste hole that will provide life-of-mine paste delivery for EN Zone stopes and improvements to the water infiltration system on surface to handle excess surge capacity. A scope of work is being issued to potential contractors for the final phase

of the ore handling system, which includes installation and commissioning of the crushing system.

The Company completed its 2023 drill program with a total of 11 holes (3,305 feet) drilled on the Copper Ridge target and 9 holes (1,653 feet) on the Dimples target. Preliminary assays continue to be received and analyzed by the Company and indicate that mineralization and alteration found at surface has been intersected in the drill holes.



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CONTINUED FROM PAGE 1

FCX Estimated Copper Reserves Of 104.1 Billion Pounds

FCX is pursuing opportunities to apply recent operational enhancements at a larger scale and is testing new technology applications that it believes have the potential for significant increases in recoverable metal beyond the initial annual run rate target.

The fourth-quarter 2023 copper sales of 1.1 billion pounds were 3% higher than the October 2023 estimate of 1.09 billion pounds and 7% higher than fourth-quarter 2022 sales of 1.04 billion pounds. The favorable variances to the October 2023 estimate and fourth-quarter 2022 sales primarily reflect higher mining and milling rates at PT-FI. Fourth-quarter 2023 gold sales of 549 thousand ounces were 5% lower than the October 2023 estimate of 580 thousand ounces and 20% higher than fourth-quarter 2022 sales of 458 thousand ounces. The unfavorable variance to the October 2023 estimate primarily reflects the timing of shipments associated with the resumption of anode slimes exports at PT-FI. In December PT-FI was granted its anode slimes export license and resumed exports. The favorable variance to fourth-quarter 2022 sales primarily reflects higher mining and milling rates and ore grades at PT-FI. The fourth-quarter 2023 molybdenum sales of 22 million pounds were 10% higher than the October 2023 estimate of 20 million pounds and 16% higher than fourth-quarter 2022 sales of 19 million pounds, primarily reflecting the timing of shipments.

Consolidated sales volumes for the year 2024 are expected to approximate 4.1 billion pounds of copper, 2.0 million ounces of gold and 85 million pounds of molybdenum, including 1.0 billion pounds of copper, 575 thousand ounces of gold and 20 million pounds of molybdenum in firstquarter 2024. Consolidated copper production volumes for the year 2024 are expected to exceed 2024 sales volumes, reflecting the deferral of approximately 90 million pounds of copper that will be processed by the Manyar smelter and sold as refined metal in future

FCX's preliminary estimated consolidated recoverable proven and probable mineral reserves from its mines at years end, include 104.1 billion pounds of copper, 24.5 million ounces of gold and 3.34 billion pounds of molybdenum. Recoverable mineral reserve volumes are those which FCX estimates can be economically extracted or produced at the time of the mineral reserve determination.

FCX operates the Morenci, Bagdad, Safford (including Lone Star), Sierrita and Miami in Arizona, and Chino and Tyrone in New Mexico. In addition to copper, certain of these mines produce molybdenum concentrate, gold and silver. All of the North America mining operations are wholly owned, except for Morenci. FCX records its 72% undivided joint venture interest in Morenci using the proportionate consolidation method.

The Company continues to

advance plans at Safford/Lone Star to increase volumes to achieve 300 million pounds of copper per year from oxide ores, which reflects expansion of the initial design capacity of 200 million pounds of copper per year. Positive drilling conducted in recent years indicates opportunities to expand production to include 4 sulfide ores in the future. FCX is completing metallurgical testing and mine development planning and expects to commence pre-feasibility studies during 2024 for a potential significant expansion. The Company is pursuing a number of initiatives to enhance productivity and improve equipment reliability to offset declines in ore grades. It is also reviewing cost performance and evaluating the costs and benefits of adjusting mining and milling rates at Morenci. North America copper sales are estimated to approximate 1.3 billion pounds for the year 2024.

FCX operates two copper mines in South America - Cerro Verde in Peru (in which FCX owns a 53.56% interest) and El Abra in Chile (in which FCX owns a 51% interest). In addition to copper, the Cerro Verde mine produces molybdenum concentrate and silver. At the El Abra operations in Chile, FCX has identified a large sulfide resource that would support a potential major mill project similar to the large-scale concentrator at Cerro Verde. Technical and economic studies continue to be evaluated to determine the optimal scope and timing for the sulfide project. The

Company is evaluating water infrastructure alternatives to provide options to extend existing operations and support a future expansion, while continuing to monitor Chile's regulatory and fiscal matters, as well as trends in capital costs for similar projects. In parallel, as part of the permitting process for the potential expansion, the Company is engaged in planning for a potential 5 submission of an environmental impact statement during 2025, subject to ongoing stakeholder engagement and economic evaluations.

FCX's consolidated production from South America mining for the year 2023 was higher than the year 2022, primarily reflecting an increase in mining rates and ore grades. FCX's consolidated copper sales volumes from South America of 287 million pounds in fourth-quarter 2023 were lower than fourth-quarter 2022 copper sales volumes of 317 million pounds, primarily reflecting impacts at Cerro Verde associated with lower recovery rates as a result of ore types processed and slightly lower milling rates and

PT-FI operates one of the world's largest copper and gold mines at the Grasberg minerals district in Central Papua, Indonesia. PT-FI produces copper concentrate that contains significant quantities of gold and silver. FCX has a 48.76% ownership interest in PT-FI and manages its mining operations. Over the past several years, the Indonesia government has enacted various laws

and regulations to promote downstream processing of various products, including copper concentrates. In 2018, PT-FI agreed to expand its domestic smelting and refining capacity and has made substantial progress towards completion. At year-end 2023, progress on these projects was measured at over 90%. In July 2023, PT-FI was granted an export license for copper concentrate, and in December 2023, PT-FI was granted an export license for anode slimes, each for the export of specified quantities of concentrates and 6 slimes and valid through May 2024. PT-FI is working with the Indonesia government to obtain approvals to continue exports of copper concentrates and anode slimes subsequent to May 2024 until the Indonesia smelter projects are fully commissioned and reach designed operating conditions.

Given the long-term nature of planning for mining investments, the Indonesia government is updating regulations that would enable PT-FI to apply sooner for an extension of its IUPK beyond 2041.

Over a multi-year investment period, PT-FI has successfully commissioned three large-scale underground mines in the Grasberg minerals district (Grasberg Block Cave, Deep Mill Level Zone and Big Gossan), which provided production volumes of 1.7 billion pounds of copper and 2.0 million ounces of gold for the year 2023. Milling rates for ore from these underground mines

Continued On Page 27



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22 THE MINING RECORD FEBRUARY 2024

Resource Estimate Of 7.1M Tonnes LCE

VANCOUVER - Nevada Sunrise Metals Corporation announced the completion of a maiden resource estimate on the Gemini Lithium Project in Nevada within the regulations of National Instrument 43-101.

The Gemini resource estimate was based on geochemical analyses for lithium from composite samples of material collected from the rotary splitter in the reverse circulation (RC)

drilling rigs contracted by the Company, which produced a continuous, representative 3 to 5 kilogram sample for each sample interval. Results of the drilling proved the existence of clays mineralized with lithium, exhibiting very good geological continuity; The Inferred resource was calculated for lithium carbonate hosted in the clays.

"We are very pleased that the maiden resource estimate has exceeded expectations," said Warren Stanyer, President and CEO. "With only five holes drilled to date in just 15% of the project area, Gemini has emerged as one of the world's largest lithium resources, and the fourth largest in the United States. We look forward to additional exploration at the Project to effectively expand the size of the resource, leading to the production of a preliminary economic assessment."

RC Drill Program Active At King Solomon Project

VANCOUVER - Visionary Metals Corp. reported on the Reverse Circulation (RC) drill program at its King Solomon Nickel Project in Central Wyoming. 6 meters (m) of 0.52% nickel ("Ni") including 1.5 m of 0.7% Ni in hole KSR23-004, approximately 220 m from last year's intercept of 44 m of 0.23% Ni, including 17 m of 0.42% Ni

in KSR22-003. Disseminated nickel mineralization in 12 of 14 holes drilled within 1 kilometer (km) by 600 m ultramafic body. Intercumulus, magmatic nickel sulfides identified in polished thin-section analysis of RC chips.

"We are encouraged to see widespread nickel mineralization in all but two RC drill holes in 2023 and look forward to an expanded diamond core drilling program at King Solomon in 2024," said CEO Wes Adams. "The 2023 RC drill program confirmed our hypothesis that King Solomon is a large, disseminated nickel sulfide deposit and core drilling in 2024 is expected to better define distribution of mineralization, and determine true widths and grades, as RC drilling is only an indicative exploration tool. The fact that we have consistently identified magmatic sulfides in thin section analysis is also encouraging and suggests that there may be additional highgrade nickel mineralization within the system, as demonstrated in hole KSR23-004."

The King Solomon nickel deposit represents the first of several nickel bearing ultramafic bodies identified during regional exploration along a structural corridor that has now been traced for 100 km and bears similar characteristics to other productive nickel deposits which have disseminated mineralization near surface and high-grade massive sulfide mineralization at depth. Ground based electromagnetic surveys will be conducted in Spring of 2024.



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Porphyry/Skarn Targets Identified At Berenguela Project

VANCOUVER - Aftermath Silver Ltd. reported on target generation work underway at the Berenguela Ag-Cu-Mn project in southern Peru. The technical

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team has been reviewing historic field work carried out by previous operators of the project including Rio Tinto (RTZ). Metallurgical test work is also underway on silver-copper-manganese mineralization. Based on a review of historic geophysical data, the Company believes that there is potential for bulk-ton-

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nage porphyry and/or skarn-hosted copper mineralisation approximately 4km to the south-west of the Berenguela Ag-Cu-Mn project. Work is ongoing to further define the targets. Aftermath will also be following up on Hole BED 006, drilled by Silver Standard in 2015 on the northeast corner of the current resource.

In 2018, Valor Resources Ltd. completed a systematic geochemical rock-chip sampling program on a sample spacing of roughly 50m in the southwest of the Berenguela concessions; 198 samples were collected. This program was limited to the west and south by the edge of the Berenguela land package, and to the east by lack of outcrop. There was no evidence of outcropping mineralization to the north and no sampling was carried out there.

The geochemistry defines a broad northwest-southeast linear trending copper-in-rock-sample anomaly, roughly 1km long returning assays from trace to a maximum of 10.9% Cu in rock chips. The results include 22 samples grading in excess of 1% copper. There was a general correlation between Cu, Ag, and Mn but little geochemical response was observed from the gold assays. At the northwest end of the anomalous copper trend, outside of Aftermath's concessions, an active mine exploits magnetite hosted in altered limestones of the Ayavacas Formation.

Aftermath geologists have confirmed that the northern part of the copper anomaly is located principally in brecciated diorites of probable Tacaza Group age that intrude Cretaceous dolomitic limestones of the Ayavacas Formation, which also hosts the Berenguela resource. Several old workings show copper mineralization (malachite and neotocite Cu oxides) and Mn oxides related to cross-cutting multi-stage quartz veinlets. Altered dolomitic limestones also show Cu and Mn mineralization. Some skarn float was

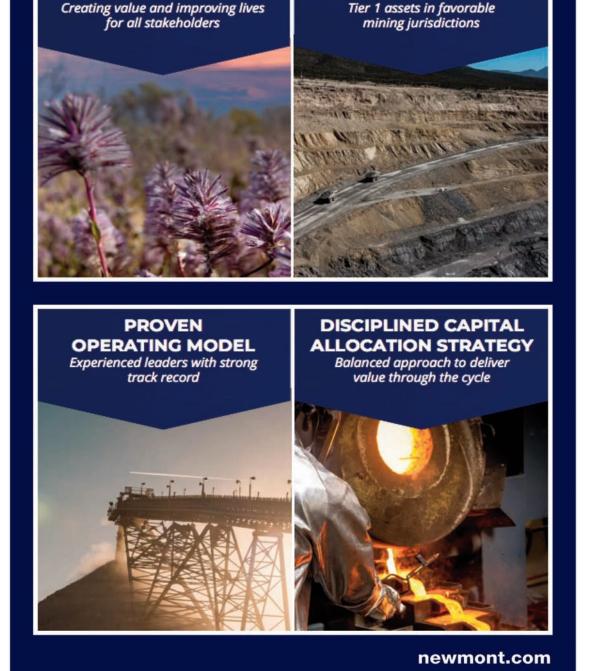
observed to the east.

The geochemical results are historical in nature. Aftermath has not yet undertaken any independent investigation of the sampling nor has it independently analyzed the results of the historical exploration work in order to verify the results. However, Aftermath considers these historical sampling results relevant, and the Company will use this data as a guide to plan future exploration programs. The historic analyses were undertaken at SGS Laboratories in Lima via Inductively Coupled Plasma -Optical Emission Spectroscopy (ICP-OES). As part of the QA/QC control Valor inserted 4 standard samples (CDN-HZ-2, CDN-ME-4 and CDN-ME-12), 3 blank samples, and two duplicates. Gold analysis was performed by fire assay at SGS. SGS's facility in Lima is a fully accredited laboratory and Aftermath believes the analytical results are reliable. The exploration results are linked here.

The Company recently obtained the results of a comprehensive ground magnetic survey carried out by Rio Tinto (RTZ) in 2019 under the terms of a joint venture with the previous operator, Valor. The survey covers the southern portion of the Berenguela land package and complemented a ground magnetic survey carried out in 2009. RTZ's geophysical contractors created a Magnetic Vector Inversion model (MVI) using Geosoft VOXI software.

Aftermath has reviewed the MVI model and extracted the Amplitude, Induced, and Remanent components of this inversion. The Induced and Remnant components appear to have identified 2 potential buried intrusive centres in the south and southwest of the Berenguela land. The southwest centre is roughly coincident with the geochemical trend outlined above and appears to be related to the eastern flank of the Limon Verde monzogabbro -dated at 30Ma- which intrudes into the Ayavacas lime-

The Induced component of the magnetic signature suggests the presence of magnetite as an alteration mineral in the intrusives or flanking intruded rocks, whilst the Remnant component suggests the potential alteration of the intruded rocks.





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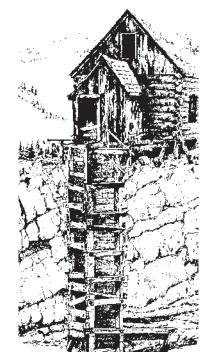


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FEBRUARY 2024 THE MINING RECORD 25

RECAP - PREVIOUSLY UNTESTED TARGETS

Oxidized Mineralization Intersected At Beartrack-Arnett

TORONTO - Revival Gold Inc. reported on the final eight core holes completed in connection with the 2023 exploration campaign at the Beartrack-Arnett Gold Project located in Idaho. Each of the eight holes was drilled in the broader Haidee deposit area and intersected above cut-off grades in near-surface oxide gold mineralization. Highlights include: 1) 0.37 g/t gold over 22.6 meters1 in hole AC23-109D in near-surface oxide gold mineralization at the previously untested Ridge target, located approximately 1,000 meters northwest of the Haidee deposit. 2) 0.36 g/t gold over 9.0 meters in hole AC23-118D in near-surface oxide gold mineralization at another previously untested target at Midlands, located approximately 400 meters southeast of the Haidee deposit. 3) 0.49 g/t gold over 24.3 meters and 1.41 g/t gold over 5.2 meters in AC23-119D up-dip of the current Haidee deposit. 4) 0.62 g/t gold over 17.8 meters in AC23-113DA and 0.40 g/t gold over 12.6 meters1 and 0.31 g/t gold over 32.9 meters in AC23-107D down-dip on the current Haidee deposit.

Drill holes AC23-109D and



AC23-118D include significant intersections of oxide gold mineralization discovered under areas of post-mineralization cover targeted based on the results of a surface geochemical survey, geophysics, and mapping. Hole AC23-109D is particularly intriguing as it was stopped short of its intended target due to operational issues. MIneralization occurs in a brecciated quartzite, thought to overlay the rocks that

host mineralization in the Haidee deposit area.

"Results from Ridge and Midland, together with those from up-dip and down-dip of the current Haidee deposit, validate our enthusiasm for the broader Haidee area and confirm the potential for continued growth in near-surface oxide gold resources at Beartrack-Arnett", said Hugh Agro, President & CEO.

The Beartrack-Arnett Gold

Project is the amalgamation of Revival Gold's Arnett Gold Project with the Company's neighbouring past-producing Beartrack Gold Mine.

In June 2017 Revival Gold assembled a 100% interest in the original Arnett Gold Project through earn-in and purchase agreements.

In September 2017 Revival Gold announced the execution of an earn-in and related stock pur-

chase agreement with Meridian Gold Company, a subsidiary of Yamana Gold Inc. (now Pan America Silver), by which Revival may acquire a 100% interest in Meridian Beartrack Co., owner of the past-producing, open pit heap leach Beartrack Gold Mine.

Subsequent to the agreements executed in 2017, Revival Gold added to the Beartrack-Arnett land position through a combination of claim staking and acquisition agreements bringing the total contiguous land position to approximately 5,800 hectares comprised of a combination of patented and unpatented mineral claims in a historic mining district.

The Beartrack Mine was operated by Meridian Beartrack from 1994 until 2000 and produced approximately 600,000 ounces of gold.

The mine operated at 13,600 tonnes per day and achieved a life of mine recovery of 88% based on the cyanide-soluble grade from ore processed during heap leach operations (approximately 70% of contained gold). The mine was closed at a time when the price of gold dropped below US\$300 per ounce.Beartrack-Arnett is the largest past-producing gold mine in Idaho.

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Grasberg Long Term Mineral Development Activities Ongoing

averaged 214,300 metric tons of ore per day in fourth-quarter 2023, an approximate 8% increase from 198,100 metric tons of ore per day in fourthquarter 2022. PT-FI set a number of annual operating records during 2023, including total underground ore mined (and milled) and volume of concentrate produced. In December 2023, PT-FI completed the installation of new milling facilities, which will enable PT-FI to further leverage the success of the underground mines and provide sustained largescale production volumes. PT-FI is also advancing a mill recovery project with the installation of a new copper cleaner circuit that is expected to be completed in the second half of 2024 to provide incremental production of approximately 60 million pounds of copper and 40 thousand ounces of gold per year.

Long-term mine development activities are ongoing for PT-FI's Kucing Liar deposit in the Grasberg minerals district, which is expected to produce over 7 billion pounds of copper and 6 million ounces of gold between 2029 and the end of 2041. An extension of PT-FI's operating rights beyond 2041 would extend the life of the project.

Pre-production development activities commenced in 2022 and are expected to continue over an approximate 10-year timeframe. At full operating rates of approximately 90,000 metric tons of ore per day, annual production from Kucing Liar is expected to approximate 560 million pounds of copper and 520 thousand ounces of gold, providing PT-FI with sustained long-term, large-scale and low-cost production. Kucing Liar will benefit from substantial shared infrastructure and PT-FI's experience and long-term success in block-cave mining.

In connection with PT-FI's 2018 agreement with the Indonesia government to secure the extension of its long-term mining rights, PT-FI agreed to expand its domestic smelting and refining

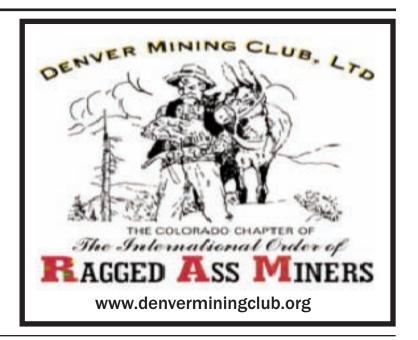
capacity. At the end of 2023, progress of the Indonesia smelter projects exceeded 90%. PT-FI is actively engaged in the following projects for additional domestic smelting and refining capacity: PT Smelting commissioned the expansion of its capacity by 30% to 1.3 million metric tons of copper concentrate per year. The project was successfully completed on time and within budget. The project was funded by PT-FI with borrowings totaling approximately \$250 million that will convert to equity in mid-2024, increasing PT-FI's ownership in PT Smelting to approximately 65% from 39.5%. Construction progress of the Manyar smelter in Gresik, Indonesia (with a capacity to process approximately 1.7 million metric tons of copper concentrate per year) is advancing on schedule with a target of May 2024 for mechanical completion, followed by a ramp-up period through December 2024.

Construction of the smelter has an estimated cost of \$3.0 billion, including \$2.8 billion for a construction contract (excluding capitalized interest, owner's costs and commissioning) and \$0.2 billion for investment in a desalination plant. The PMR is being constructed to process gold and silver from the Manyar smelter and PT Smelting. Construction is in progress with commissioning expected during 2024. Current cost estimates total \$665 million. Capital expenditures for the Indonesia smelter projects totaled \$1.7 billion for the year and are expected to approximate \$1.0 billion for the year 2024.

Production from the Molybdenum mines totaled 8 million pounds of molybdenum in fourth-quarter 2023 and was lower than fourth-quarter 2022 production of 10 million pounds of molybdenum, primarily reflecting lower milling rates associated with unplanned mill maintenance. FCX's consolidated

molybdenum sales and average realized prices include sales of molybdenum produced at the Molybdenum mines and at FCX's North America and South America copper mines.

Average unit net cash costs for the Molybdenum mines in fourth quarter 2023 were higher than average unit net cash costs fourth-quarter 2022, primarily reflecting lower production volumes and higher contract labor costs









Hecla Growth Strategy To Deliver 20M Ag Oz. By 2025

COEUR D'ALENE, ID -Hecla Mining Company reported that the Lucky Friday Mine has restarted production and is expected to ramp up to full production in the first quarter. The plans to resume production were completed on schedule and involved developing a new secondary egress consisting of a ramp of 1,600 feet and a 290foot vertical escapeway. The Company received a favorable coverage determination letter and expects to start receiving insurance proceeds during the first quarter.

The Lucky Friday mine produced 3.1 million ounces of silver in 2023, 30% lower than in 2022, due to the suspension of production since August due to a fire in the secondary escapeway (#2 shaft). Fourth quarter production was nominal as the mill processed residual material from ore pockets.

"Hecla faced multiple challenges in 2023 with the fire at the Lucky Friday mine and improving the safety culture at Keno Hill, but despite these challenges, silver production exceeded last year as Greens

Creek delivered another strong year, Lucky Friday's production through July with our patented UCB method produced more silver than the mine typically produced in a full year with the old mining method, and the roughly half year of production at Keno Hill shows its potential to be a meaningful producer," said Phillips S. Baker, Jr., President and CEO. "As planned, we began the transition of Casa Berardi's production to surface mining, which lowered production but increased margins."

Baker continued, "We look forward to a strong year in 2024 as we execute our growth strategy to deliver up to 20 million ounces of silver production by 2025. With silver's critical role in energy transition and its application in solar electricity generation, Hecla will play an important role in producing silver as the world's fastest-growing established silver producer and the dominant producer of silver in the U.S. and soon Canada.

Silver production of 14.3 million ounces exceeded 2022

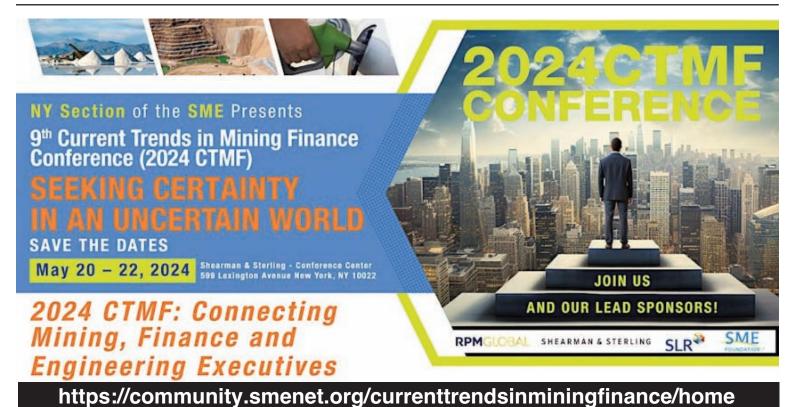
production of 14.2 million ounces, despite the temporary shutdown at the Lucky Friday mine since August 2023. As expected, annual gold production decreased 14% as Casa Berardi transitions to an open pit mine; Greens Creek gold production increased 26%. Keno Hill produced 1.5 million ounces, with the Bermingham deposit achieving the highest mined tonnage in December; initiated a safety action plan to build a strong operational foundation at the mine."

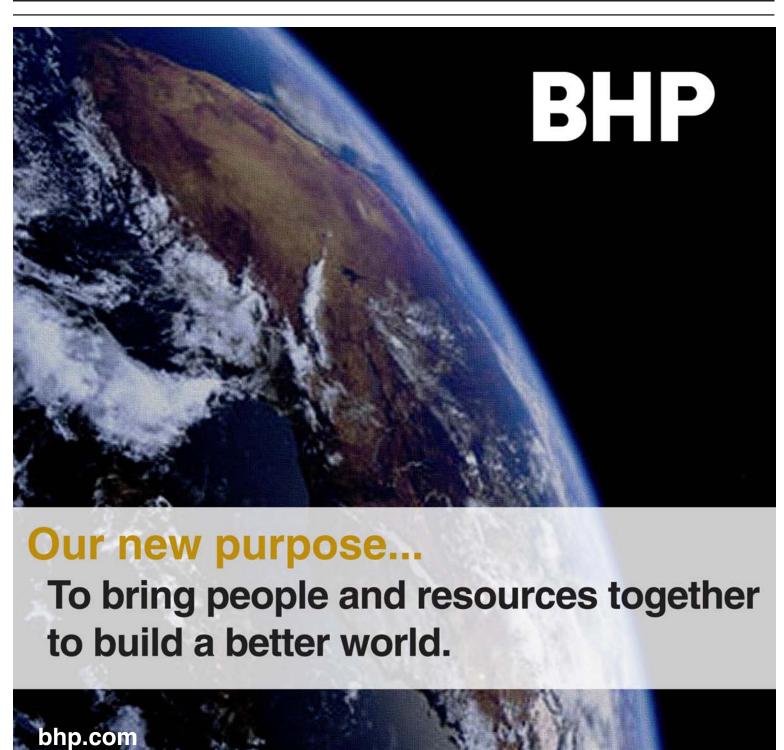
The Greens Creek mine produced 9.7 million ounces of silver and 60,896 ounces of gold for the year. Fourth quarter production was 2.3 million ounces of silver and 14,651 ounces of gold. Throughput for the quarter was 2,393 tons per day (tpd), 4% lower compared to the third quarter, and was impacted by two significant weather events in November and one in December, causing road blockages and unplanned mill downtime, resulting in approximately 12 days of lost production. The mill achieved a throughput of 2,600 tpd when operating. Annual throughput averaged 2,506 tpd, an increase of 9% over the prior year. Annual silver production was unchanged from 2022 as higher throughput offset lower grades and recoveries. Annual gold production increased by 26% due to higher throughput, grades, and recov-

Keno Hill produced 1.5 million ounces of silver in 2023, with 608,301 ounces produced in the fourth quarter. Throughput for the quarter averaged 214 tpd with silver grades of 32 ounces per ton. As safety has improved, so has mining, with Bermingham achieving the highest production in December, exceeding 9,500 tons mined. Ore inventory at the end of the year was approximately 3,000 tons at a silver grade of 27 ounces per ton.

Hecla's injury-free standard drives the pace of production and development at Keno Hill. A safety action plan, which will be executed over the year, has been initiated, focusing on training, supervision, mining practices, and implementation of the safety processes.

The Casa Berardi mine produced 90,363 and 22,517 ounces of gold in 2023 and the fourth quarter, respectively. As expected, annual gold production declined by 29% due to wildfire-related closures in June and lower underground tonnage as the mine transitions to a surface operation by mid-2024. Fourth quarter gold production was 7% lower than the third quarter due to lower milled grades partially offset by higher throughput. The mine set another quarterly record for surface tonnage handled as the in-house equipment fleet was fully commissioned. The mill operated at an average of 3,859 tpd in the fourth quarter, a 3% increase over the third quarter attributable to improved performance of the gravity circuit.







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New Mineralized Structures At Stillwater West Project

VANCOUVER - Stillwater Critical Minerals Corp. reported on diamond drilling completed at the Stillwater West Ni-PGE-Cu-Co + Au project in Montana in 2023, and other initiatives. The 2023 drill campaign focused on expansion of the NI 43-101-compliant resources

with particular focus on expanding recent high-grade discoveries at Chrome Mountain at the west end of the nine-kilometerlong resource area. Six holes totaling 2,310 meters were completed within and outside of the current resource area, west and south of the current DR-Hybrid

deposit, as part of a planned multi-phase program. Multiple new mineralized zones were intercepted.

Results include identification and expansion of the N series of sulphide-rich mineralized structures parallel to high-grade nickel sulphide mineralization first discovered by the Company in drill holes CM2021-05 and CM2020-04. Drilling in 2023 intercepted the N2 and N3 mineralized zones in parallel to high-grade mineralization in CM2021-05, which is now known as N1. Reported prior, N1 returned 13.2 meters grading

2.89% Recovered Nickel Equivalent1 (NiEq) (2.31% Ni, 1.51 g/t 4E, 0.35% Cu, and 0.115% Co), starting at 37.6 meters and is contained within 400.8 meters of continuous battery and precious metal mineralization. N series structures and associated high-grade mineralization are now understood to be part of a series of north-south trending structures that crosscut the layered sequence and Platreef-style mineralization of the Stillwater Igneous Complex.

Drilling also confirmed nickel and copper sulphide mineralization in a large and previously untested geophysical anomaly which forms part of a string of untested anomalies extending over 12 kilometers along strike. All core has now been submitted to the lab for assay with results expected soon.

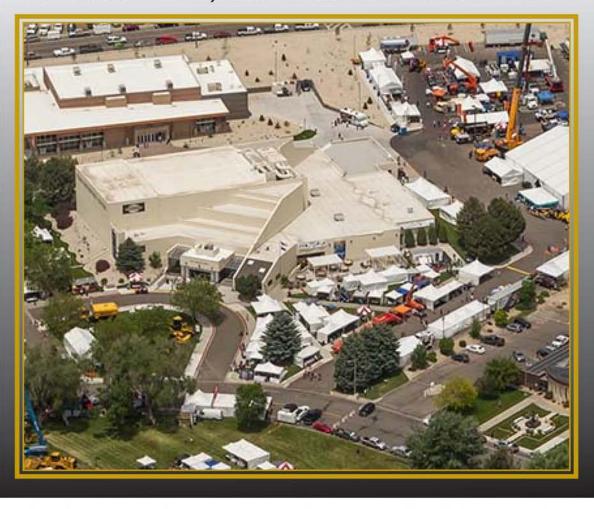
Mineralized zones were predicted by the updated exploration model, demonstrating the Company's success in advancing the first ever detailed geologic model of the lower Stillwater Igneous Complex. Drilling for 2024 is now being planned to continue expansion around known mineralization at the existing resource areas, at recent discoveries including the N series structures, and also more broadly across the 32-kilometer-long project.

Michael Rowley, President and CEO, said, "We continue to advance new sulphide-rich discoveries at our flagship Stillwater West project as we apply geologic models from South Africa's giant polymetallic nickel sulphide mines to similar geology at our Stillwater West project. Recent work is identifying additional styles of mineralization, and we look forward to expanding further on these exciting developments as they advance. Overall, the Stillwater district remains underexplored and therefore wide open for significant expansion of known mineralization - despite having produced critical and strategic minerals such as nickel, copper, palladium, platinum and chrome for over a century. We look forward to reporting assay results and providing updated analysis as we work with our partners at Glencore PLC and the US Geological Survey to advance primary domestic supply of nine of the commodities identified as critical by the US Government. Additional news is expected from our Kluane and Drayton-Black Lake projects, carbon sequestration studies, and other initiatives including continued work on government funding channels."



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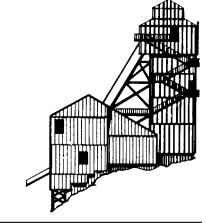


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Expanding The Portfolio Of Sustainable Underground Solutions & Technologies

IRVING, TX – Caterpillar Inc. (CAT) has successfully demonstrated its first battery electric prototype underground mining truck, growing its portfolio of battery electric and semi-autonomous technology for underground mining applications. The demonstration for Newmont and other industry leaders, at the company's proving ground in Tasmania, Australia, comes on the heels of the 793 battery electric prototype surface mining truck, which was unveiled in November of 2022.

Caterpillar developed its first battery electric prototype underground mining truck with voice of customer input and support from Newmont. The companies are collaborating to achieve Newmont's vision of a fully connected, automated, zero carbon emitting, endto-end mining system.

"This milestone is a reflection of the partnership between our teams at Newmont and Cater-pillar, showcasing the impact of strong collaboration in the mining industry," said Rob Atkinson, Newmont Executive VP. "Achieving this milestone together, combining capabilities and shared values, is a testament to the strength of our strategic alliance."

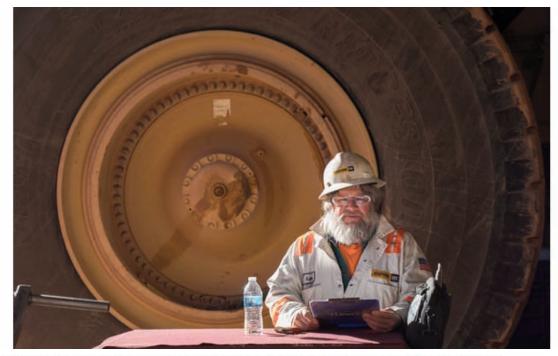
This battery electric truck will complete Caterpillar's first fully electric underground load and haul solution when paired with the commercially available R1700 XE battery electric loader.

Denise Johnson, Caterpillar's Resource Industries Group President, said, "This is a milestone for the entire Caterpillar team as we work closer than ever with Newmont to provide more sustainable choices for the underground mining industry."

Caterpillar also completed a demonstration of its growing autonomy and automation capabilities. This technology addresses some of the key safety challenges faced daily by our underground customers, like the risk of collision when moving heavy machinery through dark, cramped spaces. Autonomous trucks can help to enhance mine site safety by removing operators from potentially hazardous or remote sites. Additionally, these features can improve productivity by creating increased visibility for mine site coordinators, enabling more consistent operations for both staffed and autonomous machines.

Johnson added, "We are building on our foundation of industryleading autonomous solutions for surface operations, along with our deep experience in underground technology, to provide significant improvement in both productivity and safety."

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THE MINING RECORD 33 FEBRUARY 2024

The Gold Demand & Prices Impacted By Geopolitical Plus Economic Uncertainty

The World Gold Council's Gold Demand Trends report reveals that annual gold demand (excluding OTC) fell to 4,448t in 2023, down just 5% from a notably strong 2022. When factoring in demand from the OTC markets and other sources, total demand climbed to a new annual record of 4,899t. Investment from this more opaque source of demand supported 2023's highest annual average gold price on record.

The central bank buying streak continued on from 2022 at a blistering rate. Demand reached 1,037t last year, making it the second highest on record, down just 45t on the previous

In contrast to robust OTC and central bank demand, ETF outflows continued in 2023, losing 244t in a third consecutive year of decline, with outflows in Europe dominating the picture.

Turning to bar and coin investment, demand was subdued and down 3% as strength in some markets worked to offset weakness elsewhere. European demand continued to plummet, down 59% year-on-year. This decline was offset by a strong post-COVID recovery in China, where annual demand was up 28% to 280t; combined with notable increases in India (185t), Turkey (160t), and the US (113t).

The global jewellery market proved to be remarkably resilient amidst record-high prices as demand inched up by 3t yearon-year. China played an important role, recording a 17% increase in demand for gold, as it recovered from COVID-19 lockdowns, offsetting a 9% decrease in India.

Mine production was relatively flat in 2023, up 1%. Recycling increased by 9%, which was lower than expected given the high gold price and drove total supply up 3%.

Louise Street, Senior Markets Analyst at the World Gold Council, said, "Unwavering demand from central banks has been supportive of gold demand again this year and helped offset weakness in other areas of the market, keeping 2023 demand

Sampling Program At Energy Sands Property

VANCOUVER - Pegasus Resources Inc. reported the successful completion of a comprehensive geological mapping and sampling program on its past-producing Energy Sands property in

"The significant 7800 ppm reading on sample ESRS24-037 is an exciting confirmation of promising mineralization at our Energy Sands property in Utah," CEO Christian Timmins stated. "This result boosts our confidence in its strategic value, and we look forward to the detailed analysis from SGS. This analysis will guide informed decisions and

strategic advancements." ESRS24-037 displayed a remarkable 7800 ppm reading, indicating substantial mineralization. Completing the geological mapping and sampling program is crucial.

well above the ten-year moving average.

In addition to monetary policy, geopolitical uncertainty is often a key driver of gold demand and in 2024 we expect this to have a pronounced impact on the market. Ongoing conflicts, trade tensions and over 60 elections taking place around the world, are likely to encourage investors to turn to gold for its proven track-record as a safe haven asset.

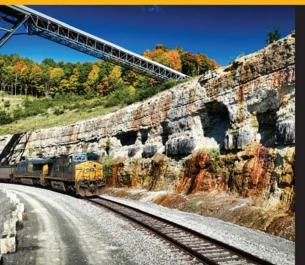
We know that central banks often cite gold's performance in times of crisis as a reason to buy, which suggests demand from this sector will stay high this year and may help to offset a slowdown in consumer demand due to elevated gold prices and slowing economic growth."

Stephanie Cadman, World Gold Council, (44) 20-7826-4740, stephanie.cadman@gold.org.

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RECAP - NEVADA

Hycroft Mine Continues To Deliver High Grade Silver

WINNEMUCCA, NEVADA - Hycroft Mining Holding Corporation reported on Phase 2 of the 2022-2023 exploration drill program at the Hycroft Mine, located in Nevada. The drilling continues to intercept highgrade silver and delineate continuity of the new silver system at Brimstone. Final assays from the Phase 2 drill program are pending.

Highlights from the drilling include: 1) Confirmation of well-developed veins with very high-grade silver. 2) The new Brimstone silver system is strong in continuity, extending more than 800 meters in strike and remains open.

Evaluation of results from the Drill Program reveals two new trends with continuous high-grade silver greater than 137 g/t: 1) A northwest trend extending from Vortex to Camel (> 600 meters strike). 2) A northeast trend extending from Vortex to Brimstone (> 800 meters strike).

Both trends are open along strike and additional drilling is expected to demonstrate that these trends intersect.

Alex Davidson, Vice President, Exploration, said, "These

recent silver assay results are very exciting as they continue to define and expand the recently discovered high-grade silver trend in Brimstone. Evaluation of high-grade silver results from 2023 in both Brimstone and Vortex in conjunction with existing drilling and geophysics has defined two significant silver trends; the Vortex-Brimstone and Vortex-Camel trends,

striking northeast and northwest, respectively.

Both trends have continuous high-grade silver greater than 137 g/t with areas of very high-grade silver (> 2000 g/t) in well-defined veins. New concepts developed during the drilling, supported by results from H23C-5790 and H23C-5795, will be used for vector targeting in 2024 to continue to develop these high value areas."

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Exploration Targeting Study To Further The Advancement Of The Kinsley Mtn. Project

VANCOUVER - CopAur Minerals Inc. reported plans to initiate an integrated exploratory data analysis (EDA) and advanced machine learning study at the Kinsley Mountain Gold Project in Elko County, Nevada. Based on exceptionally high grade sulphide and near surface oxide drill intercepts, including 20.3 metres averaging 12.6 grams-per-tonne (g/t) gold (Au), and 26 metres averaging 2.22 g/t Au returned from its successful 10 hole, 2,287 metre 2023 Kinsley Mountain exploration campaign, the Company plans to leverage its expansive exploration dataset comprising over 160,000 metres of drilling, in addition to a detailed 3D stratigraphic model, property wide soil and rock geochemistry, airborne and ground geophysical surveys (including ground IP/resistivity, gravity, and airborne VTEM/magnetics) to prepare an integrated exploratory data analysis (EDA) study.

The purposed of the EDA study is to advance the understanding of the Kinsley Mountain Project's mineralization that will increase the efficiency and robustness of future exploration, targeting, resource definition, and development work. Following the EDA study, the combined exploration datasets will be subject to advanced machine learning algorithms to understand the complex multi-dimensional relationships between the data types leading to the generation of prospectivity models to drive discovery. The Company expect to initiate the study in early 2024, leading to results before end of Q2 2024.

CEO, Jeremy Yaseniuk, said, "CopAur is poised to integrate cutting-edge AI technology within our exploration strategy at Kinsley Mountain. With an extensive dataset encompassing over 160,000 meters of drilling, we are committed to conducting a comprehensive Exploratory Data Analysis (EDA) coupled with sophisticated machine learning techniques. Our objective is to develop refined prospectivity models, enhancing our capacity to uncover new mineral deposits. Drawing inspiration from the successful application of this technology by our associated group of companies through the Metals Group, including Emperor Metals Inc. EMP.V, Thesis Gold Inc. TAU.V and Founders Metals Inc, FDR.V, we are confident that the implementation of AI will significantly augment our exploration endeavors at CopAur."

Blackhawk Road Access Rehabilitation

VANCOUVER - Kapa Gold Inc. has successfully completed road rehabilitation at its Blackhawk Property to gain access to its underground workings. With this upgraded access the Company engaged local contractors to clean out the tunnel access and clear backfilled material used as part of past closure activities. This allowed limited access to view the underground for the first time in greater than seven decades.

The Blackhawk property is located in San Bernardino County, southeastern California.



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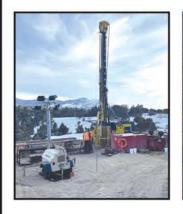
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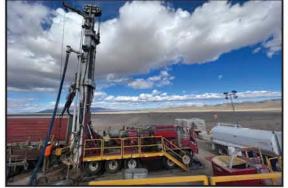
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