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Metals Watch (08/26/2022): Gold \$1,739.10 • Silver \$18.91 • Copper \$3.72 • Lead \$.91 • Zinc \$1.65 • Platinum \$861.00 • Palladium \$2,044.00 • Uranium \$47.75 • Rhodium \$12,600.00 • Lithium \$76.00/kg • Coal: \$369.00/t

EXCESS OF 20 YEAR LIFE OF MINE Goldrush Project Is NGM Future Flagship Development

ELKO, NV - Nevada Gold Mines (NGM) reported that after three years the joint venture between Barrick and Newmont, that created the world's largest gold mining complex is stepping out on its next growth phase by identifying new opportunities for discoveries and additions. At the existing operations, brownfields exploration is replacing reserves depleted by mining and identifying new targets while the greenfields team is hunting further afield for a new Tier One discovery. NGM's future flagship development will be the Goldrush project adjacent to Cortez, which is subject to an environmental review by the Bureau of Land Management and other cooperating agencies, including public comment and input. It is a world-class underground deposit with a life of mine plan in excess of 20 years and is expected to employ 500 people during construction and 570 during operation.

In its short life, NGM has produced 10 million ounces of gold and generated significant free cash. Greatly improved knowledge of the orebodies support robust 10-year plans and increased the pre-merger life of mine substantially. At the existing operations, brownfields exploration is replacing reserves depleted by mining and identifying new targets while the greenfields team is hunting further afield for a new Tier One discovery in North America to further augment the existing NGM portfolio.

During the first half of the year, NGM posted and improved operational performance at all of its sites apart from Cortez, which is transitioning from Pipeline to Cortez Pits and the next phase of Crossroads.



In its short life, NGM has produced 10 million ounces of gold. During the first half of the year, NGM posted and improved operational performance. The future flagship development will be the Goldrush project adjacent to Cortez.

Photo Courtesy Of Barrick Gold Corporation

Going forward, the Goldrush project will drive further improvements at Cortez.

Barrick reported that in Q2 performance across the portfolio has kept Barrick on course to achieve its annual gold and copper production guidance while continuing to progress its key growth projects. Gold production for the quarter was higher than Q1 at 1.04 million ounces — driven mainly by Carlin and Turquoise Ridge in Nevada, Veladero in Argentina, and Bulyanhulu and North Mara in Tanzania — and is expected to grow further in the second half of the year. Copper production came to 120 million pounds.

The Dominican Republic, the Pueblo Viejo expansion project advanced with the commencement of the public consultation process and the selection of a preferred site for the new tailings storage facility, subject to the completion of an environmental and social impact assessment. The massive project has the potential to extend the mine's life to 2040 and beyond with an estimated minimum average annual production of 800,000 ounces.

The public review period of the Goldrush project in Nevada has started with the record of decision expected in the first half of 2023, when the production timetable will be confirmed.

The definitive agreements underlying the framework agreement between Barrick and the governments of Pakistan and Balochistan on the Reko Diq project are being finalized. Once this process has been completed and the necessary legalization steps have been taken, Barrick will update its feasibility study on what is one of world's largest undeveloped copper-gold deposits, with first production expected in 2027/2028.

The Company is continuing to expand its global exploration footprint with a strengthened team. In North America the search has extended from Nevada to active projects in Canada. The intensified exploration drive in Latin America led to an entry into the Guiana Shield, and in Africa & the Middle East, new projects have been initiated in Zambia, Tanzania and Egypt. A new Asia Pacific team is making progress at Reko Diq, as well as Japan, while also looking for fresh opportunities elsewhere in this region.

Nevada Gold Mine's address is 1655 Mountain City Hwy, Elko, NV 89801, (775) 748-1001; Barrick Gold Corporation's address is 161 Bay Street, Suite 3700, Toronto, Ontario M5J 2S1, (416) 861-9911.

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News

Three high chargeability anomalies at in survey at Lida copper-silver project.....2	Permit received for the Gemini Project in Lida Valley.....12
Candelabra project reverse circulation program examining extensions.....3	Potential new high-grade gold zone identified at Jerritt Canyon.....13
Carlin-style alteration discovered at the Iron Butte Project.....4	Drill to test 426 zone at the Ruby Deeps deposit at the Ruby Hill Property.....14
Rochester Mine expansion project remains on track.....5	Program expanding mineralization zone at Tonopah gold project.....15
Round Mountain optimization program is on schedule.....6	Largest exploration program in decade at the Hycroft Mine.....17
Exceptional thickness and oxidation reported at the X-Ray Zone.....8	Fondaway Canyon gold project mineralization at North Fork zone.....20
Ripper property multiple high-grade surface samples.....10	Southern Paradise Portion drilling expected to commence.....26



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Three High Chargeability Anomalies In Geophysical (IP) Survey Completed At Lida Copper-Silver Project

VANCOUVER - Aguila Copper Corp. reported on the induced polarization (IP) survey completed recently at the Company's 100% owned Lida copper-silver project on the Walker Lane Belt in south-central Esmeralda County, Nevada. Three new high chargeability anomalies identified at Lida, each approximately 500m in length. High chargeability corresponds well to area of high-grade oxide copper sampled at surface. In 57 samples taken from dump and pit material, copper ranged from 26.20% Cu to 12 ppm Cu averaging 1.80% Cu. Twenty samples exceeded 1% Cu including 14 that exceeded 2% Cu. Permitting and drill planning now progressing for a program proposed for Q3/Q4 2022.

Geophysical survey results are very promising, having identified a broad NE-SW oriented zone of elevated chargeability trending across the Lida project. Three large discrete upright/steeply dipping chargeability anomalies of high IP were discovered within this elevated chargeable zone.

The anomalies are each approximately 500m in strike length with a chargeability exceeding >40mV/V in a background of <10mV/V. Values

above 10mV/V are typically considered anomalous. While there is typically a direct correlation between chargeability and sulphide content, it may not correlate to economic mineralization.

The footprint of the three IP anomalies corresponds closely with area of oxide copper in out-crop and historic workings at surface. There is no indication of past drilling that has tested the areas of high chargeability, and Aguila considers the target is immediately drill-ready. The Company is currently acquiring necessary land use permits and drilling contracts for a program to begin in Q3 or Q4 of 2022.

"The IP survey results from Lida are as promising as we could have hoped for," said Mark Saxon, President and CEO. "The three high chargeability features are appropriately sized to potentially be sourced from sulphide mineralization, and their association with high grade copper at surface makes for a compelling target. We know there are carbonate-rocks within the sequence, supporting either a porphyry or skarn mineralization model. Our 100% owned Lida project has progressed rapidly through concept, staking and sampling stages to now being ready for drilling."



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Candelabra Project RC Program Examining Extensions

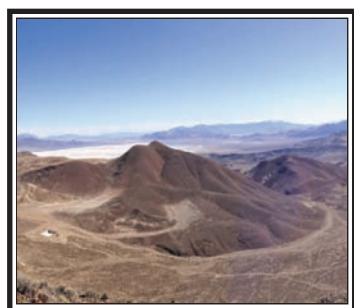
VANCOUVER - Silver One Resources Inc. reported on the reverse circulation (RC) 7,500-metre (m) drilling program recently completed at its Candelaria project, Nevada.

The objectives of the program, which included examining the extensions to silver-oxide mineralization adjacent to the past producing open pits and filling in between step-out holes drilled in 2021, were all successfully achieved.

Since November 2018, the Company has drilled over 25,000 metres in 131 holes, including RC, core, and sonic holes. The recent 36-hole, 7,500 m drilling program tested the extensions to the silver-oxide mineralization to the east of the Mt. Diablo pit, down-dip from the Mt. Diablo and Northern Belle open pits and filled-in areas of silver mineralization between step-out holes drilled in 2021 west of the Mt. Diablo open pit.

Assays include: 1,339 grams/tonne ("g/t") Ag and 1.22 g/t Au over 10.67 m from 68.58 m, within a broad interval of 48.77 m @ 332 g/t Ag and 0.39 g/t Au from 60.96 m in hole SO-C-22-119B (in-fill hole west of Mt. Diablo pit); 501.5 g/t Ag and 0.76 g/t Au over 3.05 m from 263.65 m within a 22.86 m zone @ 0.29 g/t Au and 142 g/t Ag from 252.98 m in hole SO-C-22-106A (Mt. Diablo eastern extension); 518.5 g/t Ag and 0.85 g/t Au over 3.05m from 284.99 m within a 16.76 m zone @ 0.48 g/t Au and 252 g/t Ag from 281.94 m in hole SO-C-22-125 (Mt. Diablo down-dip extension); and 777 g/t Ag and 1.38 g/t Au over 3.05 m from 289.56 within a 15.24 m zone @ 0.33 g/t Au and 182

g/t Ag from 281.94 m in hole SO-C-22-130 (Northern Belle pit down-dip extension).



Drilling results indicate the extension of the mineralization 400 m west (to drill hole SO-C-21-96) and 450 m east of the Mount Diablo pit (to drill hole SO-C-22-115). The mineralization remains open along strike in both directions as well as down-dip from both Mt. Diablo and Northern Belle pits. The Candelaria mineralization is now known to extend nearly 2 km along strike and 1 km in the down-dip direction and remains open in all directions.

President and CEO, Greg Crowe, said, "We are very encouraged by the positive results from the assays of our recent round of reverse circulation drilling. Holes drilled confirmed continuity of the mineralization down-dip and along-strike to the east and west of the past producing Mt. Diablo pit, where drilling indicates that silver and gold grades exceed historical average grades mined by open pit. This bodes well for the possibility to expand the known mineralization and the potential for both open-pit and underground mining. The mineralization defined to-date is still open both along strike and down dip from both Mt. Diablo and Northern Belle pits and further exploration is highly warranted".



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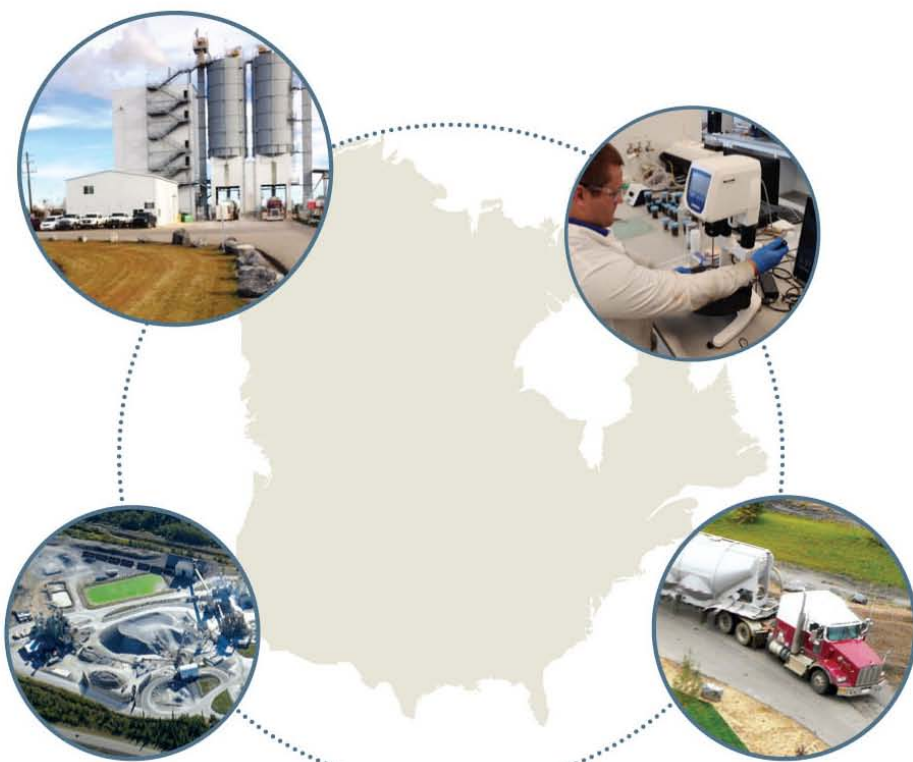
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Carlin-Style Alteration Discovered At Iron Butte

VANCOUVER - Angold Resources Ltd., President & Chief Executive Officer, Adrian Rothwell, said, "Despite difficult drilling in broken ground at Iron Butte Project, in Nevada, drilling has indicated the potential presence of significant alteration in targeted geophysical and fault structures, in a geological setting never before tested and with surprisingly positive results at the planned termination of the first hole at ~2,200'. We are cautiously optimistic for assay results, which we expect soon.

The company has now completed logging of the core from AAU22-001 and AAU22-001A. The observations and data from the completed logging are consistent with the exploration model within the Red Ridge Zone of the project, confirming a discovery of Carlin-style alteration below Ordovician Valmy Formation, part of the Roberts Mountains Thrust plate, which appears to be continuous along a

6 km (~3.7 mi) strike length from Red Ridge Zone to the Northern Extension Zone. This supports the Company's interpretation of geophysical results from the 2021 pre-drilling program demonstrating a large MT and IP anomaly at target depths.

Continuity Of Grade Identified At The Parks/Silver Project

CASA GRANDE, AZ - Arizona Sonoran Copper Company Inc. (ASCU) reported on the final 6 drill holes at the Parks/Salyer (P/S) Project to complete its initial 12-hole (27,722.6 ft | 8,450 m) exploration program. These results extend mineralization to the north and the west of the P/S Exploration Target and demonstrate the continuity of grade and tonnage within the porphyry copper target located 1.3 mi (2 km) from the Cactus Mine.

The Company continued its 500 ft (152 m) centre program to the west and eastward onto newly leased land with an additional 14 - hole program (all holes are complete, with assays pending). As a result of ongoing drilling results,

ASCU has moved to a 105,000 ft (32,000 m) drilling program with two active drill rigs, to infill the P/S Project to 250 ft (76 m) centres. By year end, ASCU is expecting to have completed a total of 165,000 ft (50,290 m) of drilling on the Project.

George Ogilvie, President and CEO, said, "Results from the initial 12-hole drilling program confirms the encouraging target and justifies the focus we've placed on Parks/Salyer."

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Rochester Mine Expansion Project Remains On Track

CHICAGO, IL - Coeur Mining, Inc. reported that the Rochester expansion project remains on-track – The ongoing expansion at the Rochester silver and gold operation in Nevada remains on-track for completion in mid-2023. The total estimated project capital remains approximately \$600 million. Coeur has committed ap-

proximately \$523 million of the project capital and has incurred roughly \$350 million towards the expansion. Strong quarterly production with Rochester's silver and gold production increased by 5% and 37%, respectively.

The Rochester mine is an open pit, heap leach silver-gold operation, located in Pershing County,

Nevada, approximately 26 miles northeast of the city of Lovelock. The mine consists of the main Rochester deposit and the adjacent Nevada Packard deposit, southwest of the Rochester mine. Additionally, Coeur acquired the Lincoln Hill, Gold Ridge and Wilco projects that are adjacent to Rochester in November 2018.

Rochester is currently undergoing an expansion under Plan of Operations Amendment 11. The expansion project includes the construction of a new leach pad, a crushing facility equipped with two high-pressure grinding roll units, a Merrill-Crowe process plant, and related infrastructure to support the extension of Rochester's mine life.

Coeur Mining also has two properties in Nevada for exploration. The Sterling and Crown exploration properties cover approximately 35,500 net acres (14,365 hectares) of highly prospective land in southern Nevada. The high-grade Sterling gold project is a past-producing open-pit and underground heap leach gold mine located in the southern portion of the land package with major permits in place. The Crown Block, which is located in the northern portion of the land package, includes four heap-leachable deposits: Daisy, Secret Pass, and SNA as well as the recently discovered C-Horst zone.

"Our second quarter results demonstrate the resilience of Coeur's multi-asset mine portfolio," said Mitchell J. Krebs, President and Chief Executive

Officer. "Despite weaker gold and silver prices, Company-wide revenue increased 8% versus the prior quarter due to higher production level."

With continued expected production growth during the second half of the year, we remain on track to achieve our 2022 produc-

tion guidance for gold and silver. We have also significantly advanced and de-risked the expansion project taking place at our Rochester operation, which is expected to provide a step-change in Coeur's production and cash flow profile once completed and commissioned."

New Assay Results From Calico 2022 Drill Program

VANCOUVER - Apollo Silver Corp. reported new assay results from the 2022 Drill Program at the Calico Silver Project in San Bernardino County, California. Infill drilling at the Waterloo deposit continues to show silver (Ag) results consistent with the 2022 mineral resource estimate (MRE) block model and expand the gold (Au) mineralized horizon. Notable silver mineralization has been intercepted beneath the MRE, whose maximum depth is 125 metres (m) below surface. Drill hole W22-RC-033 reported silver grades above the MRE cut-off grade ("COG") of 50 g/t to at least 180 m depth down hole and indicates possible stacking of silver mineralized horizons in the Barstow sediments.

These latest results show 11 of 12 holes intersected shallow silver mineralization above the COG and two holes intersected silver grades in excess of 500 g/t.

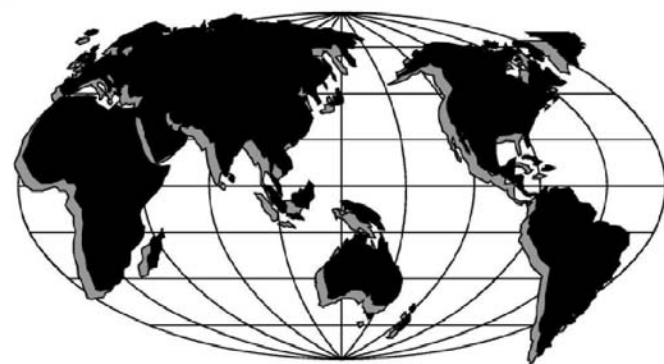
12 reverse circulation (RC)

drill holes completed between mid-May and the end of June 2022, bringing the results released to market for Phase 1 of the drill program to a total of 33 holes (3,681.0 m), of the 44 holes completed (5,021.0 m).

Drilling is part of the 2022 Calico Technical Program, which aims to upgrade and expand the previously announced maiden Inferred MRE of 166 million ounces (Moz) of silver contained in 58.1 million tonnes (Mt) at an average grade of 89 grams per tonne (g/t).

"The Calico silver resource is already one of the largest undeveloped silver resources in the world," said CEO, Tom Peregood-off. "We have always believed that the resource had the potential to grow beyond what is currently shown in our 2022 resource declaration. These latest results confirm that silver mineralization above the 50 g/t COG extends well below the current base of the resource model."

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KINROSS GOLD CORPORATION - RECAP

Round Mountain Optimization Program Is On Schedule

TORONTO - J. Paul Rollinson, President and CEO of Kinross Gold Corporation, said, "Exploration activities at Round Mountain, in Nevada, continued to focus on extending the Gold Hill mineralized vein structures, with promising results, which

includes high grades, received during the quarter. Gold Hill is located approximately seven kilometres north of Round Mountain. Highlights: D-1165 – 3.2m @ 10.32 g/t Au (incl. 2.1m @ 15.24 g/t Au) – the results confirm the 230-metre down-dip extension of

the "Alexandria" vein; D-1164 – 1.9m @ 5.82 g/t Au (incl. 0.4m @ 22.0 g/t Au); and D-1164 – 2.1m @ 5.94 g/t Au (incl. 0.4m @ 23.3 g/t Au).

The two intercepts at D-1164 are along a 100-metre west extension of several high-grade, sub-



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vertical holes between the main Gold Hill vein and the Alexandria vein. New geophysical data confirmed multiple deposit-scale trends open along strike at Gold Hill. Work on the planned drift for underground exploration at Phase X continues to advance well.

At the CBX program, located approximately 35 kilometres north of the Kettle River mill, underground drilling continues to intersect previously unidentified veins after underground drilling commenced in Q3 2021 following the completion of dewatering and exploration drift development. Recent drilling from late 2021 has identified 22 new mineralized veins, including an extension of the "Galaxie" vein (which

was discovered last year) along a 150-metre strike and at 100-metre depth. Drilling results from the quarter include: Hole# 1103 – 6.4m @ 4.95 g/t Au (TW) – Stealth target; Hole# 1103 – 3.2m @ 5.62 g/t Au (TW) – Galaxie target; and Hole# 1101 – 6.8m @ 3.73 g/t Au (TW) – West Zone target.

At Round Mountain, production decreased quarter-over-quarter due to lower ounces recovered from the heap leach pads and lower mill throughput, partially offset by higher mill grade. Compared with the same period in 2021, production decreased mainly due to fewer ounces recovered from the heap leach pads. Cost of sales per ounce sold increased quarter-over-quarter and year-over-year primarily due to lower production, higher operating waste mined and higher fuel, power and maintenance costs.

The Round Mountain mine optimization program is progressing on schedule to be completed in the second half of the year. The program is continuing to assess shallower pit wall slope angles over a larger area of the pit to enhance stability, along with an optimal mine plan sequence for Phase W, Phase S and Phase X. These include longer-term mine plan scenarios post-2024 that optimize stripping requirements while continuing to evaluate the underground potential for portions of Phase W and Phase X.

The program's interim results are now contemplating a mine plan sequence that divides mining of Phase W into four parts. The first two parts would be mined over the next three to four years as part of the open pit, given stripping had already commenced in these areas, and would account for approximately 20% of Round Mountain's mineral reserve estimates.

Phase S mining is expected to start later this year. Mining for the third and fourth parts of Phase W is expected to commence post-2024 and could potentially include underground mining as the Company continues to explore opportunities at Phase X.

At Bald Mountain, in Nevada, production was lower quarter-over-quarter and year-over-year mainly due to timing of ounces recovered from the heap leach pads in the north area of the mine. Production is expected to increase in the second half of the year due to higher heap leach recoveries. Cost of sales per ounce sold was higher compared with the previous quarter and year primarily due to lower production and higher contractor and fuel costs. With approximately 3.6 million gold ounces of estimated measured and indicated gold resources and a pipeline of high-quality targets, the Company is exploring further opportunities for additional resource conversions and exploration success."

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Exceptional Thickness And Oxidation Reported At The X-Ray Zone

VANCOUVER – Contact Gold Corp. reported on the drill holes completed in the 2022 step-out drill program at the Green Springs oxide gold project in Nevada. Results for the remaining 16 holes drilled, from the Tango Zone are pending. Most recent X-Ray Zone drill highlights: 1.95 g/t Au over 41.15

metres, from a depth of 15.24 metres, in drill hole GS22-04, including: 3.71 g/t Au over 15.24 metres; and 0.58 g/t Au over 51.82 metres, from a depth of 13.72 metres, in drill hole GS22-21, including: 1.21 g/t Au over 3.05 metres.

These results further extend mineralization to the west and

southwest from the 2021 discovery holes at X-Ray, and reinforce the high-quality of the X-Ray discovery, building on results from the current program.

The X-Ray target remains wide open for expansion, especially to the east, south and west. X-Ray is near-surface, well oxidized, with exceptional grades

and thicknesses. Gold mineralization at the X-Ray Zone is characterized by strong grades, oxidation and continuity, and is hosted at the lower Pilot Shale contact with the underlying Guilmette limestone. The Pilot Shale is an important regional host unit in eastern Nevada, and is host to the Pan Mine and Alligator Ridge among others.

“We are very excited with the results from the X-Ray target this

year. The grades, thicknesses and oxidation at X-Ray are exceptional and compare favourably across the state.” said Vance Spalding, VP Exploration. “The X-Ray Zone is wide open for growth to the east, south and west. There are multiple targets of interest, and discoveries to follow-up on at Green Springs. With the quality of results from X-Ray, we are excited for what the future holds at Green Springs.”



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Position Expanded On The Watseka Gold Property

CALGARY - Teras Resources Inc. has further increased its land position on its Watseka gold property in Madison County Montana with high value ground. Teras' Watseka property consists of 12 patented mining claims owned by Teras and in excess of 24 claims that are leased from private land owners as well as BLM land. The Watseka property currently has a Mill Site housing a main building and equipment for processing ore as well as a separate building with Lab equipment for analysing ore to be mined and processed. The Mill and Mine Site is located in the Rochester Mining District, Madison County, Montana, on the east slope of the continental divide. Primary access to the mine site is via county roads leading from a State Highway and which

are maintained throughout the year by State and Federal funds.

Joseph Carrabba, CEO, said, “We are excited with the advancement of our Watseka project in obtaining additional land. This gives Teras the strike length it needs to develop Watseka.

The newly acquired land has historical drill results which provides Teras the land position as well as historical assay results along the strike of the Watseka vein including all lands within the project area to pursue a NI 43-101 technical report. The go forward plan for Watseka is to twin a couple of the historical holes and upgrade the NI 43-101 technical report to a Resource report. We are eager to advance Watseka into a mining operation within our onsite facility.”



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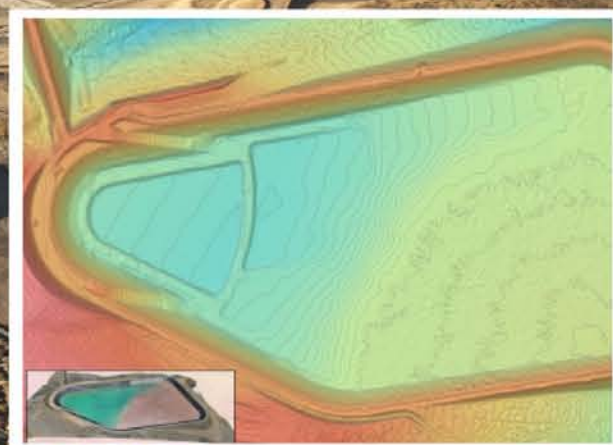
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Ripper Property Multiple High-Grade Surface Samples

COLORADO SPRINGS, CO Fortitude Gold Corp. reported multiple high-grade gold surface

samples from its Ripper property including 8.44 grams per tonne (g/t) gold. The Company

completed its first detailed mapping and sampling program at Ripper, which is located in

Pershing and Churchill counties, Nevada.

The mapping and sampling

program included detailed lithological, structural and alteration characterization in the property's Hughes Canyon target area. This program focused on two areas, the Hughes Canyon southwest and northwest target areas. Select one-foot-long samples were collected at five-foot intervals along a silicified contact, which resulted in 148 surface rock samples.

The Hughes Canyon northeast target area returned assays of 2.45 g/t gold over a 21-meter interval.

"We are excited with Ripper returning high-grade gold in this first round of surface sampling," said, Barry Devlin, Vice President of Exploration. "The property is early-stage exploration with limited historic data."

The significant gold mineralization at surface above one gram per tonne gold and as high as 8.4 grams per tonne gold not only warrants a second round of surface sampling, but a first drill program targeted in 2023."

Fortitude Gold acquired the Ripper property in June 2021, which straddles the Pershing and Churchill county lines in west-central Nevada.

The property is close to the Company's Walker Lane Mineral Belt properties and consists of 72 unpatented claims covering approximately 1,400 acres.

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Permit Received For The Gemini Lithium Project In Lida Valley, NV

VANCOUVER - Nevada Sunrise Gold Corp. has received an amended exploration permit from the U.S. Bureau of Land Management (BLM) for the Gemini Lithium Project, located in the Lida Valley basin in Esmeralda County, Nevada. The amended permit increases the number of proposed borehole locations to twelve (12), which includes the two successful boreholes that intersected significant lithium values drilled dur-

ing the maiden drilling program. Gemini is now fully permitted and bonded for a Phase 2 drilling program. The program, which is expected to begin in early September 2022 with up to six boreholes are planned for an estimated total of 8,000 feet (2,439 metres) of drilling. The exploration goal for the Phase 2 program is to drill to greater depths in order to fully explore the continuity of wide zones of lithium-bearing clays and water

intersected in boreholes GEM 22-01 and GEM22-02.

"Nevada Sunrise is fortunate to have secured not only the necessary permits and approvals for our next phase of exploration at Gemini but also to contract a highly-qualified drilling company for the work," said Warren Stanyer, President and CEO. "We are eager to return to Gemini in September and follow up on our new lithium discovery in the Lida Valley."

Headwater Gold & Newcrest Sign Four Earn-In Agreements

VANCOUVER - Headwater Gold Inc. has signed four separate definitive option and earn-in agreements with a wholly owned subsidiary of Newcrest Mining Limited.

Pursuant to the Earn-in Agreements, Newcrest will have an option to acquire up to a 75% interest individually in each of Headwater's Mahogany Project in Oregon and Agate Point Project, Midas North Project and Spring Peak Project in Nevada (the "Projects") for cumulative earn-in exploration expenditures and the completion of Pre-Feasibility Studies which include a minimum resource of 1.5 million gold or gold equivalent ounces per Project.

Additionally, Newcrest will acquire a 9.9% equity interest in the Company through a non-brokered private placement of common shares.

Caleb Stroup, Headwater's President and CEO, said, "We are extremely pleased to welcome Newcrest as a funding partner and shareholder."

This transaction provides a very attractive mechanism to maintain our aggressive, discovery-focused exploration strategy across our high-quality project portfolio.

The proceeds of the transaction will allow Headwater to continue self-funding our highest-priority 100% owned opportunities, while Newcrest's project-specific funding will allow for rapid advancement of sever-

al projects which require a scale of exploration expenditure and drilling currently impractical for Headwater.

Our potential carried Project interests to the completion of Pre-Feasibility Studies and back-end royalties ensure that shareholders retain significant upside on these Projects with minimum corporate dilution.

We believe this transaction underscores the ability of the Headwater team to execute our business model and build significant accretive value through early-stage exploration. We look forward to working with Newcrest and will continue to develop and execute on additional priority opportunities outside of the four earn-ins."

ALASKA

Graphite One Advances United States Graphite Supply Chain Solution

VANCOUVER - Graphite One Inc. reported the results of its Pre-Feasibility Study of the Graphite One Project. Parallel strategy to develop a commercial scale battery anode materials manufacturing facility in Washington State and Graphite Creek Mine in Alaska. Manufacturing begins with purchased materials until Alaska production is available.

Measured plus Indicated resources increased 197% over 2019 results. Inferred resources increased 177%.

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Potential New High-Grade Gold Zone At Jerritt Canyon

VANCOUVER - First Majestic Silver Corp. reported additional positive drill results from its ongoing exploration program at the Jerritt Canyon Gold Mine located in Elko County, Nevada. Follow up drilling to hole SMI-LX-1112 (8.39 grams of gold per tonne (g/t Au) over 29.7m) delineated a new gold mineral zone

located above the water table, approximately 90m southeast of the new connection drift between the SSX and Smith mines. Geologic interpretation and modeling of the drilling results determined that the gold zone is flat-lying, similar to nearby deposits. Results from Smith Zone 10 include: 1) SMI-LX-1067: 6.98

g/t Au over 17.6m. 2) SMI-LX-1068: 8.61 g/t Au over 12.8m. 3) SMI-LX-1069: 8.61 g/t Au over 24.4m, 4) SMI-LX-1071: 14.60 g/t Au over 13.2m. 5) Drilling from the SSX/Smith Mine connection drift.

SMI-LX-1102: 19.35 g/t Au over 23.2m: the intercept is approximately 75m north and

40m above the connection drift (above the current water table). The geometry of the mineralization appears to be sub-horizontal with the drilling intersecting at a low angle. SSX-SR-612: 10.27 g/t Au over 14.7m and 9.53 g/t Au over 13.7m: the intercepts are approximately 300m SE and 75m below the connection drift. The drill hole likely intercepted the mineralization at a low angle and may be correlated to results from hole SSX-SR-608. SMI-LX-799: 32 g/t Au over 13.7m: identified gold mineralization approximately 150m north and 15m below active mine workings. Geologic interpretation suggests that this intercept is stratigraphically controlled (sub-horizontal) and drilling has intersected it at a low angle.

Drilling at SSX Zone 5 Intersected mineralization approximately 100m from active mining and above the water table. The geometry of the mineralization is not yet known, a combination of sub horizontal controls along stratigraphy (for low angle intersects) and vertical controls are under investigation (SSX-SR-486: 6.53 g/t Au over 11.3m; and SSX-SR-490: 11.22 g/t over 35.3m).

In 2022, the Company plans to drill approximately 120,000m at Jerritt Canyon with a focus primarily on the Smith/SSX mines, Winters Creek, Waterpipe, Wheeler, and Murray areas. The

2022 drilling campaign consists of short-term focused underground core drilling testing extensions of known ore controls in close proximity to active mining; mid-term focused drilling planned to validate/test the presence of mineralized volumes near historic workings; and long-term focused drilling aiming to make new gold discoveries in the district.

"Exploration results continue to validate our thesis that the area between the operating SSX and Smith mines is favourable for new, near-mine gold discoveries," said, Keith Neumeyer, President and CEO. "Hole-1102 intersected what looks like a new high-grade area on the north side of the SSX/Smith connection drift. Nine follow up drill holes are being planned to further define this potential new zone. In addition, follow up drilling at Zone 10 in the Smith mine has confirmed the presence of a high-grade pod of gold mineralization approximately 90 metres southeast from the connection drift. Over the past few months, we advanced the mine development towards this high-grade pod in anticipation of initial ore extraction in early October. Furthermore, ore production from the West Gen mine is also planned to begin in October and expected to increase the amount of fresh ore production at Jerritt to over 3,000 tonnes per day by the end of 2022."

Mineral Mountain Copper Project Update

CALGARY - Copper Fox Metals Inc. and its wholly owned subsidiary, Desert Fox Copper Inc. reported on the updated compilation and 3D modeling of the magnetic data on the Mineral Mountain project located approximately 25kms (15 miles) east of Florence, Arizona. The compilation incorporates the results of the recently completed high resolution airborne magnetic and radiometric survey. 3D modelling has identified a potential cupola underlying the project area, with several, cylindrical, "pipe-like" intrusives exhibiting a positive magnetic signature. Two of these pipe-like bodies show a strong spatial correlation to the area of coincident copper-molybdenum mineralization/porphyry style alteration/chargeability anomaly outlined to date; the other pipe-like bodies, while larger in size are not-mineralized. The area previously referred to as Target #2 is related to a regional scale NE

trending [0300] structural feature and not considered a porphyry target. The near surface, higher chargeability portion (+/-300 - 550m wide) of the positive chargeability anomaly [2,900 meter (m) long by 1,300m wide] identified in 2021, exhibits a strong spatial correlation to the mineralized pipe-like intrusives.

Elmer B. Stewart, President, and CEO, said, "The compilation and magnetic modelling has outlined an interpreted positive magnetic feature similar to the generally accepted model for formation. The compilation shows the positive relationship of the copper-molybdenum mineralization, potassic/ phyllic alteration and chargeability signature to several interpreted late stage intrusives."

3D magnetic modelling of the 2022 airborne magnetic data has outlined a positive magnetic feature interpreted to be the upper portion (cupola) of a larger, deep seated intrusive. The modelling

shows a number of pipe-like, magnetic bodies ranging in size from approximately 200m x 500m to 750m x 1,800m within the Laramide age intrusive above the interpreted cupola; several of which are associated with a large area of copper-molybdenum mineralization, a positive chargeability signature and potassic/phyllic alteration typically of a porphyry copper system. The Laramide age intrusive generally exhibits a low magnetic susceptibility.

The chargeability anomaly identified by the 2021 Induced Polarization survey shows a steeply dipping 300m to 550m wide, greater than 5mv/s chargeability signature at surface with chargeability signature increasing at depths ranging from 250m to 400m to greater than 7.5mv/s. The location the 5mv/s chargeability signature exhibits a strong spatial correlation to copper-molybdenum mineralization and the late stage intrusives.

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Drilling To Test 426 Zone At The Ruby Deeps Deposit

RENO, NV - i-80 Gold Corp reported that initial drilling to test the 426 Zone, part of the Ruby Deeps deposit, has intersected multiple zones of high-grade mineralization at the Ruby Hill Property located in Eureka County, Nevada. Highlight results from initial infill and step-out drilling in the 426 horizon: 1) The iRH22-02

four intervals: 9.6 g/t Au over 15.5 m (0.28 oz/ton – 51.0 ft); 7.7 g/t Au over 10.1 m (0.22 oz/ton – 33.0 ft); 13.9 g/t Au over 13.4 m (0.40 oz/ton – 44.0 ft); and 11.6 g/t Au over 7.6 m (0.34 oz/ton – 25.0 ft). 2) The iRH22-05: 9.9 g/t Au over 9.8 m (0.29 oz/ton – 32.0 ft). 3) The iRH22-07 four inter-

vals: 8.2 g/t Au over 2.1 m (0.24 oz/ton – 7.0 ft); 9.7 g/t Au over 23.2 m (0.28 oz/ton – 76.0 ft); 10.7 g/t Au over 10.1 m (0.31 oz/ton – 33.0 ft); and 10.4 g/t Au over 15.8 m (0.30 oz/ton – 52.0 ft). 4) The iRH22-08: 15.6 g/t Au over 12.2 m (0.45 oz/ton – 40.0 ft). 5) The iRH22-09: 7.7 g/t Au over 9.4 m (0.22 oz/ton – 31.0 ft), including 10.6 g/t Au over 5.3 m

(0.31 oz/ton – 17.5 ft). 6) The iRH22-10: 10.4 g/t Au over 13.7 m (0.30 oz/ton – 45.0 ft).

The 426 Zone is the upper portion of the Ruby Deeps deposit, is interpreted to consist of stratigraphic and fault controlled sub-horizontal mineralization hosted within or proximal to the northeast striking 426 fault structure and is anticipated to be the first zone accessed from underground. Drilling in the 426 Zone is designed to define mineralization for initial mine planning, to provide geotechnical work for the design of the underground decline, and to complete additional metallurgical test work.

The 426 Zone remains open along strike to the south and at depth with very little drilling existing along the 426 fault at depth above its intersection with the Ruby Deeps. Drill holes iRH22-02 and iRH22-07 each intersected four significant intervals within this gap. Several holes intersected multiple structures, suggesting the potential to define resources in multiple horizons and, the Ruby Deeps Zone, ground conditions appear to be very favourable and intersection widths and grades have met or exceeded expectations. Additionally, significant oxide mineralization has been observed in the upper portions of the deposit.

The Company is completing a large-scale surface (+20,000 metre) drill program at Ruby Hill

for both deposit delineation and exploration purposes. Definition and expansion drilling is focused on the initial areas planned to be mined including the 426 Zone and the deeper Ruby Deeps Zone where recent results include 19.8 g/t Au over 33.2 m and 7.1 g/t Au over 78.6 m. Multiple gold and poly-metallic exploration targets are also being drilled.

The ongoing infill and step-out drill program will aid in the advancement of the Company's plan to develop an underground mine at Ruby Hill, accessed via ramp from the Archimedes open pit.

Following the 2022 program, an updated mineral resource estimate is planned for the completion of an economic study. The current program at Ruby Hill is one of several ongoing and anticipated drill programs on i-80 projects in 2022 that are collectively budgeted to comprise more than 50,000 metres.

It is expected that refractory mineralization from the planned underground operation at Ruby Hill will be trucked to the Lone Tree facility, once operational, and oxide mineralization can be processed on-site at the existing heap leach pad, or at the existing CIL plant, once refurbished. i-80's substantial existing infrastructure at Lone Tree and Ruby Hill is expected to reduce potential exposure to the current inflationary environment.



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TONOPAH, NEVADA

Program Expanding Mineralization Zone

VANCOUVER - Viva Gold Corp. reported on recently completed 6-hole 1,307 meter-oriented core drilling program at the Tonopah gold project, located on the Walker Lane gold trend near Tonopah, Nevada.

"This drilling program, designed to capture geotechnical information, was very successful in significantly expanding the width of the mineralized zone in the center of the western lobe of the resource pit.

Additionally, the results demonstrate the potential to convert waste to gold mineralization in poorly drilled areas of the resource pit. A significant amount of structural and geotechnical data was captured that will be utilized in mine design and in locating drillholes for a 3,000-meter reverse circulation drilling program that is slated to commence next month. Tonopah is a covered gold deposit, laying under valley floor gravels with no outcrop exposure, meaning that all geologic and structural information must be captured from either drill holes or by geophysical methods.

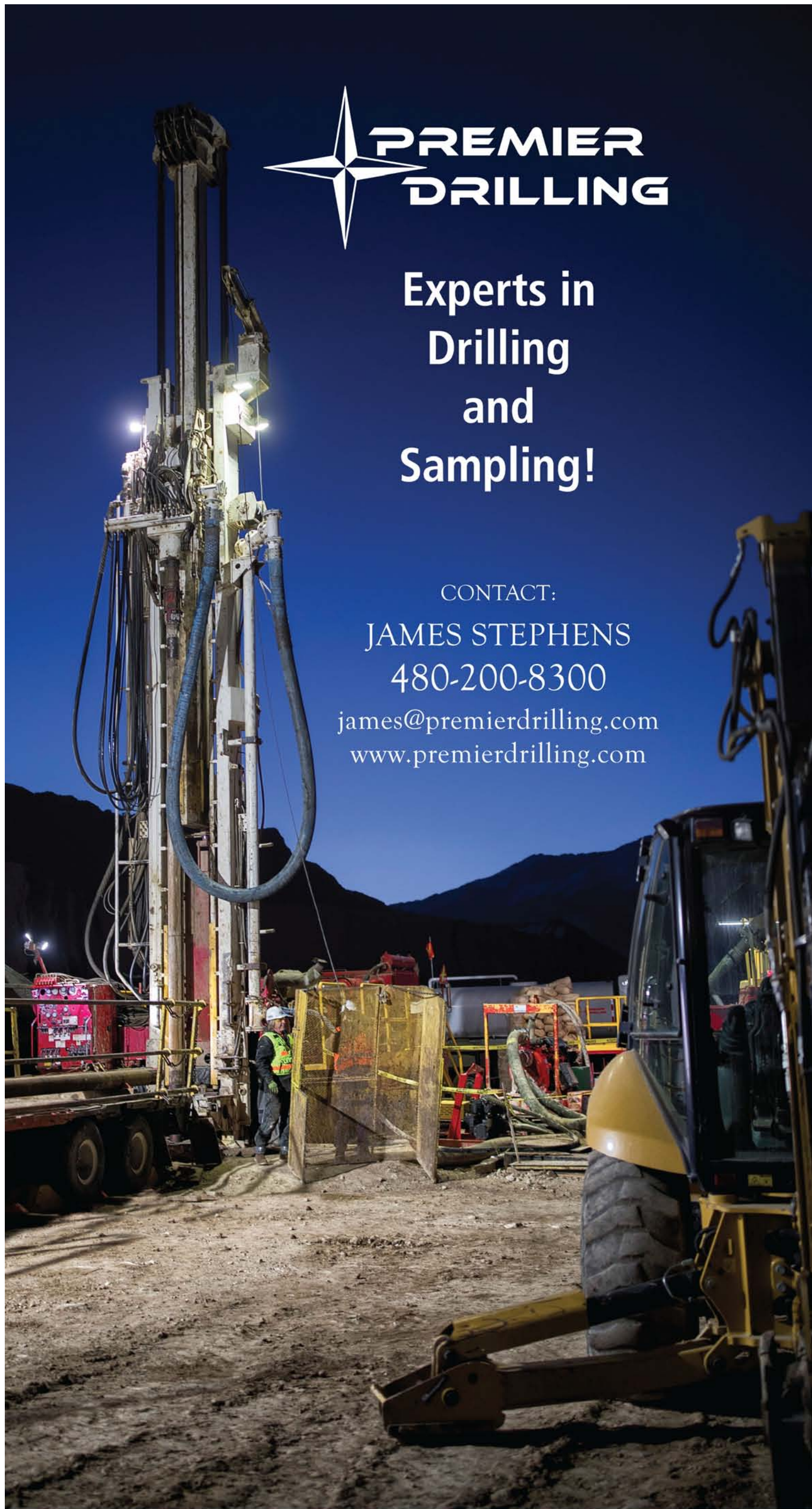
The data captured in this program provides the information required to complete the geotechnical study needed to initiate pre-feasibility study/feasibility study on the project. It also provides critical insight into the structural controls to mineralization necessary to facilitate future discovery at both the eastern and western extents of the project," said, James Hesketh, President & CEO.

Drill holes TG2204 and TG2201 were drilled to test the north and south extents of mineralization in the center of the western lobe of the resource pit. TG2204 intercepted a total of 17 meters of gold mineralization averaging 0.8 grams/tonne ("g/t") gold ("Au") in the north side of the pit wall, while TG2201 intercepted over 15 meters averaging 0.55 g/t Au mineralization inside the south wall of the pit. These combined results expanded the width of the gold zone to over 200 meters through the center of the west pit, a result that strongly demonstrates the potential to infill poorly drilled portions of the pit that are currently carried as waste in the model.

TG2202 and TG2203, drilled at the west end of the resource pit, intercepted possible north-south trending fault structures, which may have resulted in a potential structural offset of the main mineral trend to the north in this area. TG2203 intercepted 1.5 meters at 19.9 g/t Au and 19.2 g/t silver ("Ag") in a vein structure in the center of the main trend inside the west end of the resource pit.

Holes TG2205 and TG2206 were drilled to penetrate the mineralized horizons to the north and south of hole TG2101 (22.9 meters at 1.5 g/t Au) at the east end of the resource pit. The results potentially describe the north-south limits of a trough of easterly trending gold mineralization.

The oriented core holes in this program were designed to penetrate potential future open pit highwalls to capture data for mine design efforts and to determine structural controls to gold mineralization in those areas.



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Reverse Circulation Drill Arrived At South Grass Valley

VANCOUVER - Nevada Exploration Inc. (NGE) reported that a reverse circulation drill rig has arrived to install a pre-collar for SGVC015, the next planned hole of current drilling program at South Grass Valley

Carlin-type gold project.

SGVC015 is located along the northernmost fence of drill-holes at the project and is designed to test the intersection of a complex series of major NW-trending fault and fold

zones connected to the primary N-S Water Canyon structural corridor (WCSC). The drillhole is expected to fill a 1,200-metre gap between previous drillholes SGVC011 and SGVC012, and is specifically targeting the

down-dip projection of a 430-metre-thick section of favourable Hales Formation seen in SGVC011 that contained intense argillization, silicification, and brecciation associated with highly anomalous pathfinders,

in this case eastwards, closer to the WCSC, immediately below large gold and pathfinder geochemistry anomalies at surface.

In addition at the North Grass Valley, the Company believes it exhibits the features to host a potentially gold-bearing hydrothermal system at a scale consistent with Nevada's large Carlin-type deposits. NGE has compiled all regional and project scale data at the project and has begun discussions with interested partners to fund the next stages of work at the Project.

At the Company's Kelly Creek Project, NGE's partner Austin Gold Corp. has informed NGE that it completed four reverse-circulation drill holes totalling approximately 1,200 metres in the southern portion of the project, and that the samples are being prepared to submit for assay.

NGE expects to provide additional information on the logging, assays, and other geologic information provided by the drilling once received.

In parallel to its Carlin-type gold projects, NGE has also been working to advance its epithermal-style Awakening gold project located immediately north of Paramount Gold Nevada Corp.'s Sleeper Gold Mine in Humboldt County, Nevada, which produced 1.66 million ounces from 1986 to 1996 and has a remaining measured and indicated mineral resource of 3.14 million ounces (297 Mt at 0.33 g/t Au). Since acquiring the project, NGE and an early partner have completed large geophysics, geochemistry, and stratigraphic orientation programs to establish the major geologic features across the project.

Based on the results, NGE believes it has demonstrated support that the favourable lithological, structural, and alteration features associated with the mineralization at Sleeper continue northward, under relatively shallow cover at Awakening, coincident with anomalous gold in groundwater.

To consolidate what NGE believes to be one of the most prospective low-sulfidation epithermal gold projects in Nevada, NGE has entered an Exploration Lease and Option to Purchase Agreement (the "North Sleeper Agreement") with a private party to purchase a 100% interest in 38 unpatented mining claims totalling approximately 3.5 square kilometres (the "S310 Claims"), that fill what was a hole in NGE's land position.

Under the North Sleeper Agreement, the Company has the option to purchase 100% of the S310 Claims. If the Company does not terminate the North Sleeper Agreement prior to February 7, 2023, a work commitment of 600 metres of drilling before February 7, 2024, becomes a firm commitment, after which if the Company elects to proceed, an additional 1,000 metres of core drilling is required to be completed prior to February 7, 2025.

The company's address is 885 West Georgia Street, Vancouver, BC, V6C 3E8, (604) 601-2006, info@nevadaexploration.com, www.nevadaexploration.com

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Largest Exploration Program In Decade At Hycroft Mine

WINNEMUCCA, NV - Hycroft Mining Holding Corporation continues the engineering and design work for the next phase of operations, it will be conducting the largest exploration program at the Hycroft Mine in nearly a decade. There has been no exploration drilling at Hycroft since 2014 and, prior to that, drilling was focused on step-out drilling from the known pits for heap leach operations. The Company is focusing on the higher-grade opportunities identified in the 2021 program and for the first time at Hycroft, a systematic approach to understanding the genesis of this world class scale deposit, including potential feeder systems.

Hycroft is a low-sulfidation, epithermal system with numerous banded quartz veins similar to Midas-style mineralization yet there has been no prior focus on understanding these veins and what they may mean to potential feeder systems.

The 2022 – 2023 exploration program at the Hycroft Mine will comprise approximately 125,000 feet of reverse circulation ("RC") drilling and approximately 20,000 feet of core drilling. The RC drill rig is on site and the core drill rig is expected to arrive on site later in July. The RC drilling is being conducted by National EWP Inc. of Elko, NV and the core drilling will be conducted by First Drilling LLC of Montrose, CO.

The focus of the 2022-2023 exploration activities are: Drilling to expand and extend the high-grade Vortex Zone, including, follow up on the intercepts encountered in the 2021 drill program which returned 51.8 meters (170 feet) grading 2.47 grams per tonne ("g/t") (0.072 ounces per ton ("opt")) gold and 25.5 g/t (0.744 opt) silver (H21R-5592) in drill hole H21R-559; Following up higher-grade intercepts from the 2021 drill program; Approximately 102 intercepts (1.5 meter intervals) averaging 4.1 grams per metric ton ("g/t") or 0.13 ounces per ton ("opt") gold and 85.3 g/t (2.73 opt) were encountered;

Drilling three zones at depth that were identified in prior geophysics work indicating high potential for feeder zones; and Targeted drilling outside the known resource area to assess district potential. More than 60,000 acres of the Company's land position has not been explored.

The Company will also conduct targeted infill drilling within the existing deposits where there is limited drilling. Based on the geology and surrounding drill results, the Company is optimistic that the additional limited drilling could convert material currently modeled as waste to an ore classification in the resource model.

This would reduce the strip ratio, haulage costs, equipment costs, and increase revenue in the ongoing engineering and design work. Additionally, based upon the results of such additional infill drilling, Inferred Mineral Resources could be upgraded to higher resource classifications inside and adjacent to the current pit limits.

Diane R. Garrett, President & CEO, said, "We are grateful to our shareholders and all who contributed to our solid financial position that affords us the ability to advance our corporate strategy of focusing on higher grade opportunities at Hycroft as we work to complete the technical studies for the sulfide mill operation. Hycroft is one of the largest gold and silver deposits in the world located in the Tier 1 mining jurisdiction of Nevada."

Alex Davidson, Vice President, Exploration, commented, "From the 2021 metallurgical drill program, we observed that high-grade mineralization occurs at the intersection of the steeply dipping north-south trending faults¹ and the east-west faults². These geologic controls of the higher-grade mineralization that are known at Hycroft are similar to structures seen at the historic high-grade past-producing, Rosebud gold mine, which is surrounded by our

land position.

We believe that there remains untapped potential at Hycroft and many of our findings during 2021 support this opportunity. With the largest exploration program in nearly a decade, we will continue to build on the work to date and investigate the opportunities identified. Findings of higher grade will be critical to the overall design of the processing plant, the mill throughput rate and mine plan sequencing."

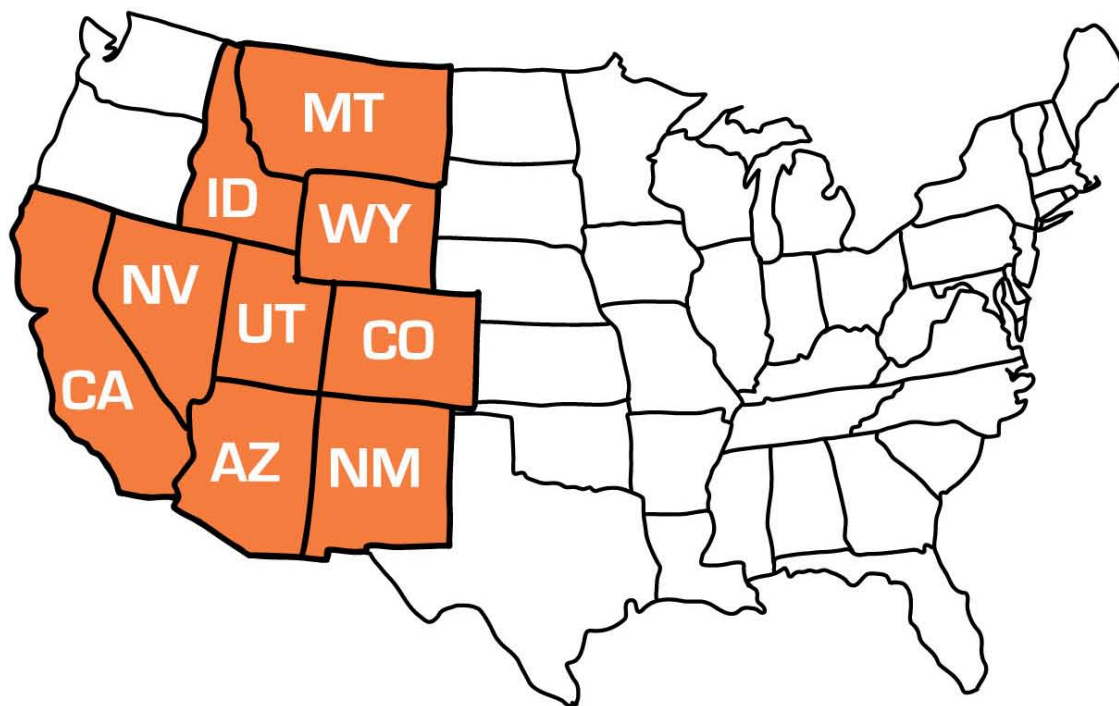
The results of this exploration program, together with the 2021 metallurgical drill program results will be used for the geologic modelling, updated resource models and mine planning activities associated with the technical studies underway for the sulfide mill operation.

The Hycroft mine is located in the Sulfur Mining district, 54 miles west of Winnemucca and straddles Humboldt and Pershing Counties.

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THE VALUE OF MODERN DATA MANAGEMENT FOR ENVIRONMENTAL, SOCIAL, AND GOVERNANCE IN MINING

Data is one of the most valuable tools that mining companies have in making their operations more responsible and sustainable. It allows companies to measure and manage the effectiveness of their environmental, social and governance (ESG) processes, with the ultimate goal of improvement through greater efficiencies, control, and transparency.

Not only does data underpin performance in individual ESG initiatives, for instance, in operational changes to lower carbon emissions or diversity, equity and inclusion programs, but it also allows the cumulative effects of ESG-related activities to be assessed for purposes such as corporate reporting and enterprise risk management.

"In ESG, the main value of data lies in operational control and optimization, and in being able to prove to external parties that mining companies are doing what they have promised," Brett Marsh, AIPG Certified Professional Geologist, explained.

"Establishing stakeholder trust requires indisputable proof of action. ESG issues are extremely important, especially for investors and people close to projects. They want to have the utmost confidence that what they're investing in or supporting is honest and safe, and data really is the best way to show that."

HANDLING THE ESG DATA AVALANCHE

One of the biggest challenges in ESG data management today is the sheer volume of data generated on a daily basis by different operations. As in other areas of mining, programs tend to start out life on spreadsheets before being formalized into more advanced systems and applications.

There's a propensity to start projects, some of which fall out of date quickly, and keeping databases up to date as things change can be difficult. Some can also be fragile and there is a risk of historical data and its context being lost or damaged during transfer into other systems or applications.

Environmental operations have traditionally been the easiest to quantify, and many mining companies have legacy software in place to monitor their environmental performance. The social and governance aspects of ESG meanwhile, are often measured qualitatively and managed via pen and paper-type activities.

However, when data is difficult, repetitive or time consuming to record, people will often record inaccurate or simplified information for the sake of expediency. Systems that can help to simplify and speed up processes by automating certain steps can result in richer, more accurate data, which is important both now and

for future applications, some of which maybe unknown today.

Sean Hunter, Director of Product Development, at Eclipse Mining Technologies, said: "For companies that want to go beyond manual data collection and spreadsheets and use data science tools to extract insights from their data, it's really important to move to modern handling systems.

"It requires a lot of work to manually integrate and analyze data that is collected in separate systems. Once tasks become difficult, people tend not to do them properly or skip steps. Process automation is of huge value in these instances."

Another challenge lies in capturing and preserving process information – information that explains why the data shows what it does, whether the proper procedures were followed in its creation and by whom. With that context, it's possible to run a root cause analysis to determine why an event or outcome happened. Without it, it's very difficult to interpret data and make effective improvements.

TRANSPARENCY EQUALS TRUST

Data integrity is also crucial in decision making and compliance. Unless data can be verified and corroborated, it doesn't mean much and, with manual data han-

dling, there is a risk of fraudulent reporting, whether intentional or not. If ESG data is inaccurate or misinterpreted, leaders risk focusing precious resources in the wrong area or taking actions that aren't aligned with their companies' core values.

Having good metrics is also important; it's all very well tracking data but, if the metrics being tracked don't paint the full picture, it's easy to run into problems.

"Having a rich set of metrics that you're tracking on the data and being able to go back and understand what it shows is incredibly important," said Hunter. "Managers need to know that they're not making decisions based on partial data that could be leading them down the wrong path.

"Being able to corroborate data and have outside verification, for example, through audits, instills confidence in decision making. It also helps to determine, not just where improvements are needed, but where best practices are being applied, allowing them to be replicated elsewhere in business."

NO TIME FOR ERROR

Timeliness is another consideration. Data is only truly useful if it is provided to the right people at the right time. If a company is using a set of non-integrated software solutions to handle its ESG data, then finding the most up to

date piece of information within a dataset and corroborating its accuracy is incredibly time-consuming. By the time the task is complete, that information may no longer be relevant.

While manual data handling may suffice for annual compliance checks and ESG reporting, in the future, it's likely that external stakeholders and investors, and certainly internal teams, will want this information on a more frequent basis.

"A consolidated platform that stretches across the value chain can be really beneficial," explained Marsh. "If data is integrated properly, it's possible to track ESG impacts all the way from production drill rigs, to blasting, hauling, processing, and delivery of the final product to customers. The ability to do that quickly and accurately is going to be coveted by a lot of companies in the future."

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Fondaway Canyon Project High-Grade Mineralization

VANCOUVER - Getchell Gold Corp. reported on remaining results for drill hole FCG22-17 that targeted the high-grade North Fork zone at Fondaway Canyon gold project in Nevada. Gold mineralized zone encountered at shallow depth and spanning 120

m downhole. High-grade gold mineralization of 17.7 g/t Au over 9.9 m within a broader zone grading 5.4 g/t Au over 51.9 m was intersected starting at 66.1 m downhole; and followed by two intervals grading 2.0 g/t Au over 22.9 m and 1.9 g/t Au over 15.9 m.

"Drill hole FCG22-17 reaffirms the high-grade, high-concentration, and broad-expanse of gold mineralization at the North Fork zone," said Mike Sieb, President. "Every drill hole continues to contribute to our understanding and modelling, as well

as continues to push the boundaries of the mineralizing system at Fondaway Canyon."

Drill hole FCG22-17, the first drill hole of the 2022 drill program at Fondaway Canyon is the first in a series of holes tasked with delineating the high-grade

gold discovered by FCG21-16, the last drill hole of the 2021 drill program. FCG21-16 encountered a high-grade gold interval grading 6.3 g/t Au over 50.7 m (117.5-168.2 m drill depth) that includes 10.4 g/t Au over 25.0 m (139.9-164.9 m). This latter interval contained 12 samples reporting >10 g/t Au revealing strong internal high-grade gold consistency. FCG22-17 was collared on the canyon floor, at the junction of Fondaway Canyon and the North Fork branch, on the same drill pad as hole FCG21-16. FCG22-17 was designed to target the North Fork mineralized zone as a 25m step out to the northwest from the high-grade intercept encountered in FCG21-16. FCG22-17 intersected significant gold mineralization grading 5.4 g/t Au over 51.9 m at a shallow down-hole depth of 66.1 m including an exceptionally high-grade gold zone grading 17.7 g/t Au over 9.9 m (94.7-104.6 m). This latter interval contains ten consecutive samples reporting >9 g/t Au revealing strong internal high-grade gold consistency.

Five holes have been completed (FCG22-17 to 21) to date, totalling 1,867m, during the 2022 drill program at Fondaway Canyon. Holes FCG22-18 and 19, collared on the same pad as FCG22-17, were respectively designed to test the immediate up-dip and down-dip extent of the mineralization encountered in hole FCG21-16, with FCG22-18 testing the further extent of the



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At North Fork Zone

North Fork gold zone to the northeast in an area absent of any drilling. FCG22-20, a vertical drill hole, was designed to test the mineralization directly below the Colorado Pit in an area relatively absent of drilling.

FCG22-21, stationed midway up the north slope of Fondaway Canyon, was designed to crosscut the Colorado SW zone of miner-

alization to assist with modelling and to test the extents of the mineralization to the northwest. Additional holes are planned from this setup but due to the need to expand the drill pad and sump to accommodate additional drilling, the drill has been moved back to the canyon floor in the interim to continue to expand on the North Fork gold zone.



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High-Grade Results From Crane Creek Gold Project

VANCOUVER - Bayhorse Silver Inc. reported additional high grade gold assays from the recently acquired Crane Creek Gold Project, Idaho. The claims are on a large 3 - 6 meter (10 - 20ft) wide gold bearing structure, that extends north from, and are in close proximity to, Integra's Delamar Gold Project in Southwest Idaho, 120 km (75 miles) from the Bayhorse Mill. The significant gold mineralization in Southwestern Idaho is considered the northern extension of the Carlin Gold Trend.



These grades compare favorably to prior reported samples taken from claims on trend by the Company that returned 33.28 g/t (1.068 oz/t) gold and 96.42 g/t (3.1 oz/t) silver and 4.98 g/t (0.16 oz/t) gold and 138 g/t (4.45 oz/t) silver, 37.69 g/t (1.202 opt) gold, 40.31 g/t (1.296 opt) gold and 0.62 g/t (0.02 oz/t) gold. Samples were submitted under chain of custody to Christopherson Umpire Assayers, Smelterville, Idaho, for gold and silver assays.

The arsenopyrite chip samples were taken from mineral showings that outcrop over 700 feet (0.21 km) on the structure that extends over a minimum 3 km (1.9 miles) on strike. The samples were fire assayed and 3 of the samples returned 33.87 g/t (1.089 oz/t) gold and 136.85 (4.4 oz/t) silver, 26.4 g/t (0.849 oz/t) gold and 140 g/t (4.5 oz/t) silver, 15.3 g/t (0.493 oz/t) gold and 68.42 g/t (2.2 oz/t) silver and 1.36 g/t (0.044) oz/t gold and 124 g/t (4.0 oz/t) silver. A further 3 soil samples returned less than 0.01 oz/t gold.

A larger (up to 1,000 kg or 2,200lb) sampling is underway at the sites of the highest grade chip samples from the claims. The Company plans to process this bulk sample for gold and silver content at the Company's Bayhorse Mill in Payette, Idaho.



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CRUCIAL AND COMPLICATED: THE MINING SECTOR'S

Rachel Wyles & Russell Polack
Golder, Member Of WSP

The global transition to a low carbon economy is underway, and the mining sector has a crucial and complicated role to play. Rapid uptake of green

technologies to achieve decarbonization means increased demand for minerals and metals, like lithium to produce electric vehicle batteries or copper for electrification. However, the mining sector is being challenged to meet this demand

while also decreasing its own carbon footprint. As a result, many mining companies are developing ambitious decarbonization targets that align with the 2015 Paris Agreement on Climate Change and strive to eventually achieve net zero carbon emissions.

Net zero carbon emissions occurs when the GHG emissions released by an organization are counterbalanced with an equivalent amount of carbon removals from the atmosphere. For many mining companies, this means establishing a baseline level of GHG emissions, and looking for opportunities to undertake actions to reduce GHG emissions (often referred to as "decarbonization"). While there are practical limits on how much GHG emissions can be reduced by a mining operation, several innovative approaches are being explored and the future is promising.

Hydrogen Fuel Cell Trucks: 263 Tonnes of Low Carbon Transport: According to the International Council on Mining & Metals (ICMM), large mining mobile equipment and vehicles

can account for up to 80% of GHG emissions at a mine. As a first step, mine operators are assessing what their options are for reducing GHG emissions from vehicles. Marginal reductions can be realized through increased use of biofuels or exploring alternative material movement that reduces haulage needs.

But these changes alone are unlikely to sufficiently meet a net zero target, so emerging technologies such as battery electric vehicles (BEV) or hydrogen-based trucks are being piloted. The technology best suited for a particular operation can depend on many factors, including ore type, mining method, mine location and availability of electric or hydrogen infrastructure. A solid understanding of technology options, both current and future, and adoption considerations can shape a mining operation's strategy around options for reducing GHG emissions from vehicles.

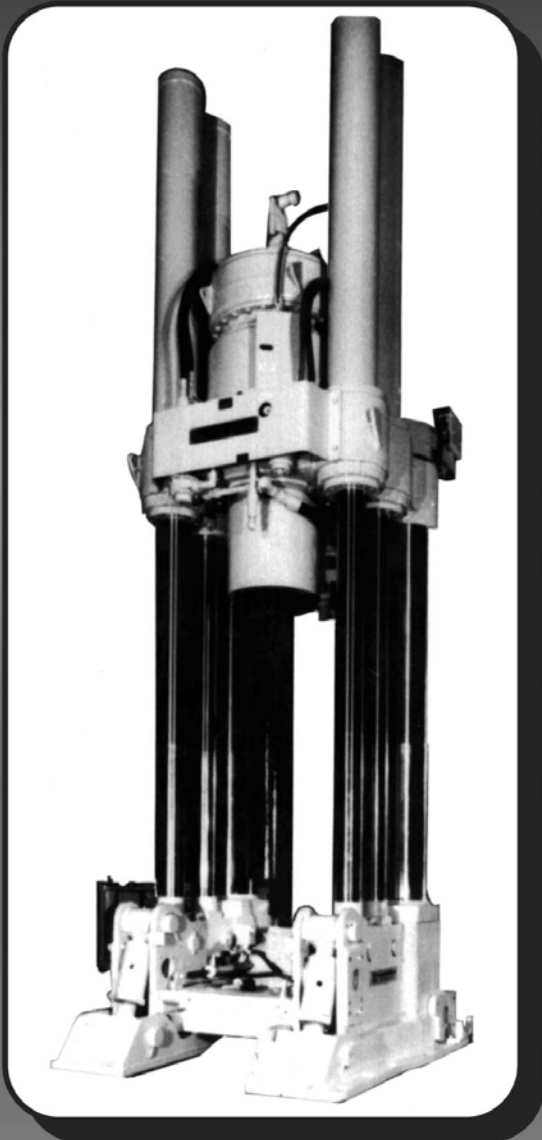
The "Innovation for Cleaner Safer Vehicles (ICSV)" initiative, a collaborative model launched by ICMM member

organizations, is focused on solving these industry-level challenges and accelerating development of a new generation of cleaner and safer mining vehicles. An excellent example is an imposing and impressive 263-tonne dump truck that uses hydrogen fuel cells. Developed by Williams Advanced Engineering and ENGIE, the truck will be tested by Anglo American in the first half of 2021 at the Mogalakwena platinum open pit mine in the north-western part of South Africa in Mookapee, Limpopo. Anglo American plans to generate hydrogen from electrolysis on site, using renewable power sources, to power the truck.

Solar and Wind are Renewable and Realistic: In addition to vehicles, the mining sector uses large amounts of energy to operate safely, supplying ventilation in underground mines and processing extracted materials. The industry is actively looking for alternative energy sources including increasing the use of renewable energy from solar and wind installations that produce less GHG emissions to generate



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JOURNEY TO NET ZERO

electricity than fossil fuel alternatives. This is particularly important for remote mines that are not connected to the electrical grid and currently rely on diesel, natural gas or liquefied natural gas (LNG) for power supply.

As renewable energy becomes more economically viable it is expected that these large-scale installations will be integrated into mining operations. For example, a planned 34MW solar plant will be powering Rio Tinto's Gudai-Darri, an iron ore mine in Western Australia. Nearly 100,000 solar panels will generate enough electricity to supply 100% of Gudai-Darri's electricity demand during peak solar power generation times and approximately 65% of the mine's average electricity demand. Meanwhile, Australia's largest hybrid renewable energy microgrid, as well as the first mine in the world to utilize wind generation, are in place at Agnew Gold Mine. The Agnew Hybrid Renewable Project supplies 55% of Agnew's electrical power and, depending on conditions, over 80% of all of the site's electrical power is generated by the five 110m tall wind turbines and solar farm.

How Tailings Can Support Net Zero: The mining industry is also looking into how tailings can support net zero. Under certain conditions, tailings have been demonstrated to have an ability to sequester carbon dioxide through a process called "carbon mineralization." Carbon dioxide sequestration in mine tailings is receiving increasing attention as companies look within their own operations for innovative approaches to remove carbon dioxide from the atmosphere and use that as part of the 'balance' strategy towards becoming net zero.

One mechanism by which tailings carbon dioxide sequestration can be achieved is through a process referred to as "passive sequestration." The ability of tailings to passively sequester carbon dioxide and the rate of passive sequestration depends mainly on the mineralogy, grain size, temperature, precipitation process and pore water chemistry and surface area of exposed material. The use of microorganisms in tailings storage facilities has the potential to enhance the effectiveness of this process.

Tailings sequestration can also be achieved through technological modifications at the processing plant. Process modifications can include introduction of carbon dioxide to tailings streams at elevated pressure and temperature or carbon dioxide injection. Thorough site-level investigations of the potential to implement a tailings carbon dioxide sequestration project at a mining operation are critical. Field scale trials can be undertaken to understand site specific conditions and optimize the sequestration methods.

While the solution is not yet common practice, progress is being made. A recent webinar featuring faculty from The University of British Columbia's Bradshaw Research Initiative for Minerals and Mining (BRIMM) provides an update on the research around carbon mineral-

ization in tailings: Decarb-onization of Mines: From Challenges to Opportunities.

Looking Forward: Achieving net zero is a huge challenge for the mining industry, but the sector is working to meet the challenge.

Organizations such as ICMM and the Mining Association of Canada (MAC) are supporting innovation at a sector level. One example of which is the MAC 'Towards Sustainable Mining' initiative, a globally recognized sustainability program that supports managing key environment and social risks, including GHG emissions.

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Rachel Wyles is an Associate and Senior Carbon Management and Climate Change Specialist with the Golder Vancouver office.

Russell Polack works in Golder's Sudbury office as a Senior Greenhouse Gas Specialist.



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CONTINUED FROM PAGE 18
THE VALUE OF MODERN DATA MANAGEMENT FOR ENVIRONMENTAL, SOCIAL AND GOVERNANCE IN MINING

context. Unifying information in this way allows it to be analyzed quickly and insights applied in new and exciting ways; ESG performance tracking and process improvement is just one area in which mining companies can benefit.

“The rich context SourceOne provides allows teams to go back in time to see what happened and why,” said Hunter. “That’s so important in business improvement and optimization. Some social metrics, for instance, around Indigenous engagement and employment, can be hard to measure accurately. There are worries about just doing a check-the-box style exercise. But being able to look carefully at the raw data can give companies a better understanding of whether they’re living up to their ESG measures and how they could potentially improve.”

Inside of SourceOne, arbitrary data, including different file types like images and videos, can be attached to georeferenced data to enrich it. This is especially important for social issues or initiatives where something, for instance a cave drawing or site of spiritual significance, cannot be accurately captured in numbers and words alone.

And, because the system can handle data from multiple operations across the globe and provide insights based upon their individual or integrated performance, it provides a chance to benchmark ESG performance and apply insights or best practices from one operation to the next.

DESIGNED WITH PEOPLE IN MIND

SourceOne also provides social context to data and business processes in a way that allows for continual improvements. Every user is associated with an account and can communicate and collaborate with other users within the platform.

“We’ve worked hard to build the capabilities for continuous business improvement into SourceOne as a core competency,” said Marsh. “Any institutional knowledge or actions that are taken that generate a result are captured and can be leveraged in the future.”

“For example, if a company needs to respond to a social or environmental incident, the activities around that can be captured in SourceOne for future analysis. That knowledge can be used to refine execution and strengthen business processes.”

There are no one-off features or functions within SourceOne; it’s a fully integrated platform so, as regulatory requirements change to incorporate ESG, companies can pivot quickly.

Marsh illustrated this: “For example, the US Securities and Exchange Commission recently released a new mining standard that incorporates ESG. That triggered a lot of activity as businesses scrambled to adapt their processes. But, within SourceOne, it’s easy to tweak how data is handled or identified so it can be reported almost immediately.

“Companies may even struggle to keep up with what regulations stipulate but, by incorporating those regulations as a SourceOne process, they actually become a part of the dataset that companies use.”

Good governance instills greater responsibility in any business. According to Marsh, this component is often overlooked in mining, yet probably the most important.

“Companies need to establish what their processes are and be able to look at them critically to

make the right adjustments,” he said. “SourceOne that has in-built governance functionality, and the ability to highlight tasks in progress and then align processes with the data, so that people and technologies are properly integrated.

“That capability is important for any aspect of ESG, whether it’s dust and air quality monitoring, sound monitoring or effluent discharge, all the way through to establishing the set of standards that a company can measure itself against and be governed by.”

Hunter added: “SourceOne is a really powerful tool when it comes to governance, particularly around safety critical applications. Companies can use the canvas design tool (a no code environment) to overlay their processes with rules. The system can send notifications to nominated personnel if a rule is violated, and processes can also be created to notify certain stakeholders at the correct time if something looks wrong.”

USING DATA MANAGEMENT TO GET AHEAD

Today, good ESG performance is one of the biggest investor requirements alongside profitability and, in time, it’s likely to become as important as net present value. The social standing of a company and the way it treats people, and the environment are central in maintaining a social license to operate and could eventually become defining factors in whether companies are allowed to operate in specific regions or jurisdictions.

“The mining industry is just at the start of its drive around ESG,” Marsh concluded.

“Currently, there is some immaturity as to how companies handle and utilize this data. But, for organizations that are able to get on top of this now, there is an opportunity to drive a significant competitive advantage.”

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Southern Paradise Portion Drilling Expected To Commence

VANCOUVER - Almadex Minerals Ltd. has received results from the first two of five holes drilled to date at the Davis/Paradise project in Nevada. This drill program has now been paused for assays, and a second phase program is planned for this month when the Company drill is expected to return from third party contract work. Almadex holds the rights to earn 100% of the Davis/Paradise property, which covers multiple targets, and is located

approximately eight miles southeast of Gabbs, Nevada and five miles northeast of the Paradise Peak gold mine, which was active from 1984 to 1994.

Drilling results from the Davis vein zone help to demonstrate the important widths and grades of the mineralised structure identified previously in historic work and drilling for which the Company has limited information. The two holes were drilled on the same section and indicate that mineralisation

continues to depth and should be further explored down dip. The other three holes of this phase one program were located on different targets on the northern half of the property. Two holes were drilled in an area of alteration interpreted to represent a sinter and breccia system, extending over 1.5 km in length running parallel to the Davis zone, and the fifth hole targeted another separate vein with historic mine workings in the Northern area called Butler.

Outstanding assays from these three remaining holes will be reported once received and analysed.

The Southern Paradise portion of the property, where Almadex anticipates a phase two drilling program to be focussed this month, covers high level acid sulphate quartz alunite alteration as well as a zone of phyllic alteration identified by past alteration mapping and a recent Worldview remote sensing study. Recent mapping

performed by the Almadex team confirms the presence of multiple generations of porphyric intermediate intrusive with important alteration zones, especially in the historical mining excavations. This new data suggests that the Paradise area represents a large lithocap with potential for both gold-silver high sulphidation mineralisation and porphyry mineralisation at depth, similar to Paradise Peak gold deposit where both styles of mineralisation were observed.

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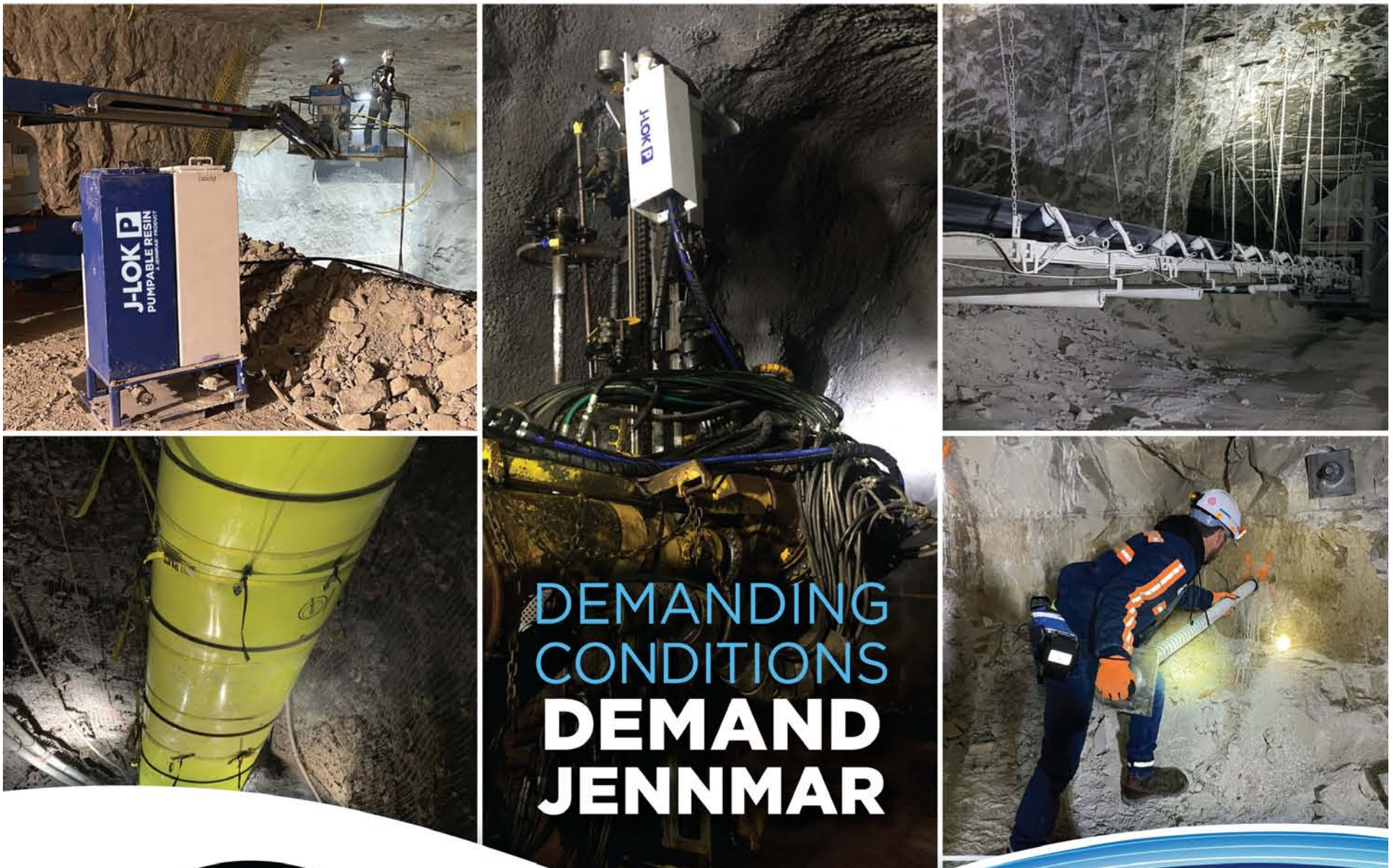
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