

THE MINING RECORD™

COMPREHENSIVE COVERAGE OF THE MINING INDUSTRY™

Published by: The Mining Record Company
Volume 134, Number 7

THIRTEEN DECADES OF CONTINUOUS INDUSTRY COVERAGE
www.miningrecord.com

July 2023



Denver, Colorado, USA

Metals Watch (07/13/2023): Gold \$1,968.60 • Silver \$24.27 • Copper \$3.86 • Lead \$0.96 • Zinc \$1.10 • Platinum \$959.00 • Palladium \$1,239.00 • Uranium \$56.15 • Rhodium \$3,400.00 • Lithium \$40.97/kg • Coal: \$108.25

MONTANA EXPANSION

Stillwater West Nickel-PGE-Copper-Cobalt-Gold Project

VANCOUVER - Stillwater Critical Minerals Corp. reported the start of the 2023 expansion drilling at its Stillwater West nickel-PGE-copper-cobalt and gold project in Montana, in addition to providing an update on other initiatives including work already underway.

Drilling will focus on expansion of the NI 43-101-compliant resources announced January 25, 2023 which demonstrated world-class grade and scale with 1.6 billion pounds of nickel, copper and cobalt and 3.8 million ounces of palladium, platinum, rhodium, and gold (4E) in a base case study totaling 255 million tonnes ("Mt"), with a high-grade component of 11.6 Mt grading 1.05% recovered nickel equivalent (as 0.56% Ni, 0.33% Cu, 0.03% Co, 0.54 g/t Pd, 0.27 g/t Pt, 0.15 g/t Au and 0.019 g/t Rh).

Priority is on expansion of high-grade mineralization at the DR-Hybrid deposit at Chrome Mountain, including: Drill hole CM2021-05, which 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. This high-grade mineralization, contained within 400.8 meters of continuous battery and precious metal mineralization, is of a type not previously identified in the Stillwater district and appears to be related to 8.5 meters of similar high-grade, high-tenor nickel sulphide returned in hole CM2020-04, approximately 125 meters down dip to the west.

Drilling is also expected to expand on high-grade targets at the CZ and HGR deposits at Iron Mountain, up to nine kilometers east of Chrome Mountain, as step-



The Company is rapidly advancing the Stillwater West PGE-Ni-Cu-Co + Au project towards becoming a world-class source of low-carbon, sulphide-hosted nickel, copper, and cobalt, critical to the electrification movement, as well as key catalytic metals including platinum, palladium and rhodium used in catalytic converters, fuel cells, and the production of green hydrogen. *Photo Courtesy Of Stillwater Critical Minerals*

outs from the following intercepts: Drill hole CZ2021-01, which returned 63.7 meters grading 0.86% NiEq (0.47% Ni, 0.42 g/t Pd, 0.27% Cu, and 0.04% Co as well as significant Pt and Au values), within 367.6 meters of continuous mineralization.

This hole was a step-out from hole CZ2019-01 which returned 62.0 meters grading 0.56% NiEq and also 3.54 meters of 2.67% NiEq (as 1.53% Ni, 0.49% Cu, 0.099% Co, and 3.45 g/t 4E) within 399 meters of continuous mineralization, starting at surface. The CZ deposit benefits from a historic resource and positive preliminary metallurgical work. Drill hole IM2021-05 in the HGR deposit area returned 7.3 meters grading 0.70% NiEq (as 0.45% Ni, 0.51 g/t 4E, 0.17% Cu and 0.026% Co), and 2.4 meters 2.04% NiEq (as 1.55% Ni, 0.85 g/t 4E, 0.17% Cu, and 0.087% Co), within 379.2 meters of continuous battery and precious metal mineralization starting at surface.

This hole was a step-out from hole IM2019-03 which returned 26.8 meters grading 0.85% NiEq (as 0.34% Ni, 0.15% Cu, 0.019% Co, and 1.24 g/t 4E) within 272.5 meters continuous mineralization.

The 2023 campaign will be the first to apply updated geological models.

Michael Rowley, President and CEO, said, "We are very pleased to announce the arrival of equipment and crews for our 2023 drill campaign with a view to expanding our recent high-grade nickel and copper sulphide discoveries, enriched in cobalt and precious metals. Those intercepts included some of the widest and highest-

grade intervals in their respective years and drove a robust and low-cost expansion of our previous mineral resource.

We are focused on continuing that trend as we apply our new understanding of the geology of the Stillwater complex from mines of South Africa. The broader fundamentals are stronger than ever

for our sector, and the recent strategic investment by Glencore in Stillwater is an important validation of both the project and the underlying fundamentals of US critical mineral supply. We look forward to further announcements from this iconic and expanding American mining district, which has been producing high-grade critical minerals for over one hundred years."

Danie Grobler, Vice-President of Exploration, commented, "It's exciting to be embarking on the 2023 drill campaign, which will be the first ever in the Stillwater Igneous Complex that incorporates detailed structural and stratigraphic models.

Field work, which commenced in June, includes a ground based high resolution magnetic survey which has already provided a clear response to the high-grade massive sulphide zone identified in holes CM2021-05 and CM2020-04 holes further defining that target while also delineating stratigraphic and structural controls on mineralization. The world-class size and well-mineralized nature of the Stillwater complex, coupled with our understanding of the structure and controls on mineralization, has provided us with a large number of targets to guide expansion of the existing resources while also leading us into exciting new areas."

DATED MATERIAL — RUSH

News

Phase three drill campaign at Nevada Sante Fe Project.....	3
Continued positive results at Golden Summit.....	4
Further high-grade gold intersects at Eldorado Project.....	5
Conductive body under historic workings at Prospect Mountain.....	6
Copper Creek project six expansion holes completed.....	9
Restart program at the Christensen Ranch ISR Project.....	10
Phase one 2023 field program at Twin Peaks.....	11
Newmont outlook reflects increasing gold production.....	12
Solar Lithium confirms positive mineralization results.....	16
Increase of mineral resources at Muntanga project.....	17



Let us assist you with your
Water Well, Dewatering,
and Exploration Drilling Services!

CONTACT:

JAMES STEPHENS

480-200-8300

james@premierdrilling.com

www.premierdrilling.com



✦ FLOODED REVERSE ✦ DIAMOND CORE ✦ REVERSE CIRCULATION



Phase Three Drill Holes Campaign At Nevada Santa Fe Mine Project

TORONTO - Lahontan Gold Corp reported on an additional six reverse-circulation rotary (RC) drill holes from the Company's 2023 7,000 metre Phase Three drilling campaign at the Company's 19 km² Santa Fe Mine Project in Nevada's Walker Lane. These drill holes are first exploratory drill holes completed in the York pit area in over 30 years, historic drilling had outlined significant oxide domain gold and silver resources that remained open along strike and down-dip. The six drill holes totalled 1,271 metres, and targeted potential extensions to these gold and silver resources.

Highlights include: 1) 30.5 metres grading 0.74 g/t Au and 0.5 g/t Ag (0.74 g/t Au Eq) of oxide metallurgical domain mineralization in drill hole YOR23-006R including 10.7 metres grading 1.01 g/t Au and 1.9 g/t Ag (1.03 g/t Au Eq). This drill hole shows that oxide

gold and silver mineralization extends below the York pit and opens the entire York area for resource expansion. 2) The York drill holes intercepted significant widths of oxide and transition metallurgical domain gold and silver mineralization below and east of the Mineral Resource Estimate (MRE) conceptual pit shell and the assumed York pit. The York drill holes confirm the historic drill data and will greatly expand the scale of the conceptual pit shell used to constrain mineral resources in future resource estimates.

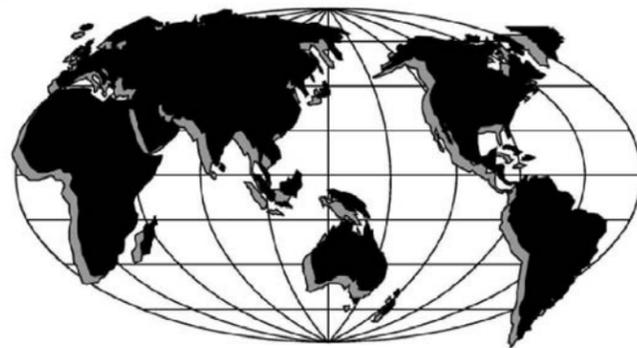
Kimberly Ann, Founder, CEO, President, and Director, said, "These York drill holes are vital in validating historic drilling in the York target area. The grades seen these drill holes is similar to that reported from the mine operations at York and confirm the presence

of extensive oxide domain gold and silver mineralization beneath and adjacent to the York open pit.

The geologic interpretation of the York drill holes also identified important north-south (the "York" fault) and east-northeast (the "Columbia" fault) structural controls to mineralization, opening new target areas for resource expansion drilling.

The Columbia hosts higher grades, e.g. 3.0m grading 2.07 g/t Au (YOR23-006R, 94.5-97.5m) that may be outlining important "feeders" to the hydrothermal system. Together with the successful Calvada area drill results announced earlier, our Phase Three resource expansion drill campaign is off to a great start, and we look forward to announcing more drill results in the weeks and months ahead."

INDEPENDENT MINING CONSULTANTS, INC.



- Surface and Underground Mine Evaluation
- Exploration Project Development
- Mine Design and Planning
- Production Scheduling and Strategic Planning
- Resource Modeling / Reserve Estimation
- Evaluation of Expansions or Acquisitions

www.imctucson.com

Tel: (520) 294-9861

NAYLOR PIPE

...Serving The Mining Industry For Over 95 Years

Need pipe for water, high and low-pressure air, ventilation, tailings or slurry lines, sand and gravel or other product lines? Naylor has the right pipe for your application.

Available in carbon steel and alloys from 4" to 96" and wall thicknesses from 14 gauge to 1/2". Naylor offers the necessary fittings, couplings, fabrications, coatings and linings to provide you with your complete pipe system.

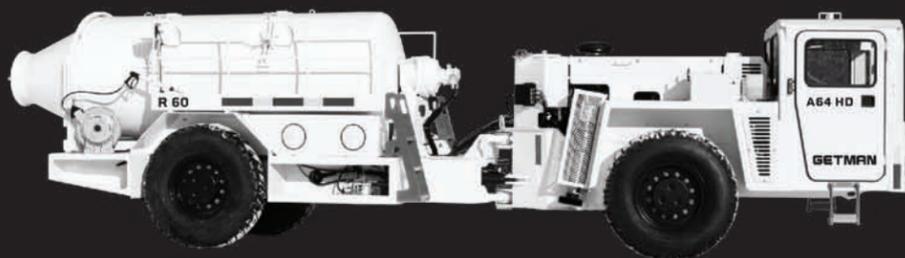
For more information, call or E-mail us for our catalog.



The Industry Leader Since 1925

NAYLOR PIPE COMPANY
1230 East 92nd Street
Chicago, IL 60619
773.721.9400 • Fax: 773.721.9494
E-mail: sales@naylorpipe.com
www.naylorpipe.com

GETMAN



REMIKER



PROSHOT™

1.877.GETMAN1

GETMAN.COM

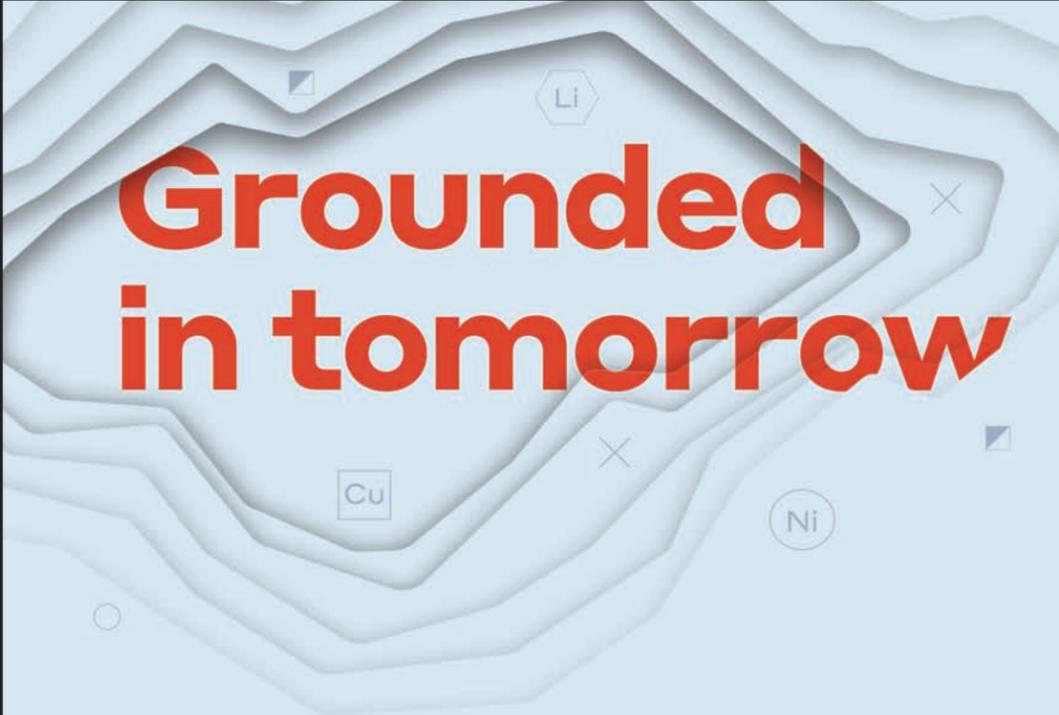



Cowin & Company, Inc.
A Leader in Mining Construction since 1924

www.cowin-co.com

Tunnels • Shafts • Declines
Crusher & Belt Installation • Rock Fall Protection
Roof Stabilization • Raisebored Shafts

Phone 205-945-1300 Fax 205-945-1441



Grounded in tomorrow

Today's critical minerals are the green energy of tomorrow.

As global mining consultants, we champion sustainable, responsible processes that see beyond profit to support people and the planet.

Through our expertise across the mine life cycle, we meet the needs of now, and guide the industry to where it needs to go next.

wsp.com/mining



Continued Positive Results At Golden Summit Project

VANCOUVER - Freegold Ventures Limited reported continuing positive results from the Golden Summit Project. The drill program, which began in March, is ongoing with three rigs currently operating. So far twenty-four holes have been completed north and immediately west of the Dolphin Zone where mineralization is still open and projecting towards surface. An additional three holes are in progress. The first holes of the 2023 program are located primarily in the west-northwest portion of the deposit and are aimed at testing up-dip extension of the mineralization to the north and to reduce the potential overall strip ratio.

GS2304 limited the boundaries of the mineralized envelope to the north, returning no significant assays. Hole GS2305, as anticipated, encountered mineralization at shallower depths including 1.6m grading 17.65 g/t Au, and 24 metres grading 0.86 g/t Au. Hole GS 2306 intersected 1.01 g/t Au over 256m including 128 metres grading 1.20 g/t Au including 1.8m grading 31.8 g/t Au. Hole GS2307 intersected 2 metres grading 15.15 g/t Au and 81.7m grading 0.53 g/t Au.

In addition to ongoing drilling to the north, drilling later this season is also expected to test a significant gold in soil geochemical anomaly that extends over 1.5 km to the west. The goal of this additional drilling is to potentially increase the current resource area beyond its current size of 1.3 km x 600 m.

A 332-line km MobileMT survey was recently flown. MobileMT is a passive airborne geophysical technique which utilizes natural source signals to map variations in the subsurface resistivity providing information to depths greater than 1000 m. This information is useful for defining large structures and boundaries of geological domains. Final data is expected to be received in the coming weeks and will be utilized to further enhance our current drilling targets in the Saddle area which are slated to be drilled later this summer.

Additional metallurgical work is underway. Although an extensive metallurgical program was undertaken previously, it was directed towards material within the upper 300 metres. This round of work will focus on the deeper mineralization, below 300 metres and will again test recoveries using various processing tech-

niques. This round will also include gravity test work owing to the increased presence of visible gold observed during the 2020-2022 program.

The current program is designed to test the boundaries, expand and infill of the current mineral resource estimate (which using a 0.45 g/t Au cut off and a \$1,792 gold price is 12.01 million ounces at 0.92 g/t Au (407,544,000 tonnes) (indicated) and 7.7 million ounces at 0.85 g/t (282,303,000 tonnes) (inferred).

Additional Au screening is performed using ALS's Au-SCR24 method; select samples are dry-screened to 100 microns. A duplicate 50g fire assay is conducted on the little fraction and an assay on the entire oversize fraction. Total Au content, individual assays, and weight fractions are reported. Analytical and assay procedures are conducted in ALS's North Vancouver and Reno facilities. A QA/QC program included laboratory and field standards inserted every ten samples. Blanks are inserted at the start of the submittal, and at least one blank every 25 standards, with additional blanks inserted following samples of visible gold.

Expansion/ Definition Drilling Program At Bandeira Property

TORONTO - Lithium Ionic Corp. reported on the program at the Bandeira property, located within the Araçuaí district in the state of Minas Gerais, Brazil. Currently there is an ongoing 50,000 metre expansion and definition drilling program for H2 2023 targeting the Bandeira and Outro Lado (Galvani property) lithium deposits, as well as other prospective regional targets, including Salinas and Itira.

Bandeira Drill Intercept Highlights: 1.89% Li₂O over 10.2m (hole ITDD-23-123); 1.92% Li₂O over 6.4m and 1.83% Li₂O over 5.9m (hole ITDD-23-121); and 2.10% Li₂O over 5.2m (hole ITDD-23-128)

Blake Hylands, P.Ge., Chief Executive Officer, said, "Our infill drilling program continues to intersect excellent grades and widths, and is delivering on the objective of providing a higher confidence resource to support forthcoming project development studies. We continue to drill with 8 rigs at this target, with another 5 targeting Salinas and Itira."

Chairman & CEO: Don E. Howell (April 6, 1939 - April 27, 2021)
President & COO: Dale P. Howell
Editor: Don Harrison, editor@miningrecord.com
Accounting HQ: accounting@miningrecord.com
General Manager HQ: customerservice@miningrecord.com
Subscriptions/Orders: subscriptions@miningrecord.com
Advertising: advertising@miningrecord.com

Advertising: Display and Classified Media Kit Available upon request. Email: advertising@miningrecord.com

Subscription Rate
For U.S.: \$55 per year; Canada & Mexico: \$82 per year
Foreign: \$99 per year
Email: subscriptions@miningrecord.com
Published monthly - \$8.00 per copy

Regional Office: Highlands Ranch, CO USA
Distribution Mail House: Commerce City, CO USA
Publication Printing Facility: Tucson, AZ USA

THE MINING RECORD

THE VOICE OF THE MINING INDUSTRY™

Volume 134, Number 7

HEADQUARTERS:

24 KARAT RANCH
Sedalia, Colorado 80135 USA

Mailing Address:
Post Office Box 1630
Castle Rock, Colorado 80104 USA

Toll Free: 1-800-441-4748 USA/Canada

Tel: (303) 663-7820 • Fax: (303) 663-7823

www.miningrecord.com • Email: questions@miningrecord.com
Electronic Editorial Submissions: Email: editor@miningrecord.com

Published by: The Mining Record Company - HIE, LLC
©Copyright 2023, All Rights Reserved

Business Hours: Monday - Friday 8:00 a.m. - 5:00 p.m.

Products and/or Services advertised in The Mining Record are not endorsed by The Mining Record.

The publisher reserves the right to refuse advertising that is competitive with his publications or which, in the publisher's opinion, does not meet with the format of mining publications.

Postage: Periodicals Postage Paid in Denver, Colorado and additional mailing offices.



The articles published in The Mining Record are obtained from sources considered reliable, but are not to be construed as a solicitation for investment purposes or to buy or sell stock.



The Mining Record is published monthly by Howell International Enterprises, LLC, with Main Office located in Sedalia, Colorado 80135.



Postmaster: Send address changes to The Mining Record, P.O. Box 1630, Castle Rock, CO 80104 USA.

USPS 593360
ISSN No. 012023-5761



While our company does have registered accounts, our users security is top priority. Our Facebook, Twitter, and Associated Instant Apps pages are designed with no interaction allowed at this point. Consumer Protection Agency reported that scams on social media skyrocketed by 150 percent across Facebook, Twitter and Associated Instant Apps. And the number is likely to continue climbing as more cyber crooks see social media as a fruitful target. Our users and clients security will not be compromised with these media outlets at this time. Our web security service for www.miningrecord.com site provides our users information for the industry with peace of mind. The company's website www.miningrecord.com is universal with complete availability through desktop, laptop and all mobile devices. It will remain our focal form for online media access to our users and clients.



OREGON

Further High-Grade Gold Intersects At Eldorado Project

VANCOUVER - Provenance Gold Corp. reported that its fourth hole, ED-04 in the drilling program at its Eldorado gold project in Malheur County, Eastern Oregon has returned 32 meters of 4.00 grams per ton of gold within continuous mineralization of 137 meters of 1.65 g/t gold. This hole is located 212 meters to the southwest of our previous drilling, all of which intercepted grades. Further, the hole also bottomed in 4.575-gram material meaning the hole is open ended going to depth and is a new discovery not found by historical drilling.

This hole was designed to twin the historic hole R-47 which assayed over 94.5 meters of 0.969 g/t gold, while the new Provenance hole returned 1.003 g/t from the same near-surface 94.5 meter interval.

This is significant because it is a good match of the historic drill assays to assays that Provenance has obtained for confirmation of historic results, but also shows much higher-grade to depth where the same historical hole was cut-off early.

This helps to confirm our cross-section modelling whereby much of the mineralization sits below the historic drilling which was already very compelling.

Project Manager, Steve Craig explained, "This hole is very significant in that we continued drilling below the bottom of R-47 and found a much higher-grade section continuing to the bottom of the hole. Looking at cross sections, many

historic holes penetrated to depths of 75 to 90 meters, which returned strong open pit grade mineralization. These same sections have projected another 90 meters of mineralization that can be projected to depth and below this historic

drilling bottom. I expect extremely good assay results of higher grades once these targets are drilled."

The original design of this first drill program was to confirm and expand a large near-surface open-ended gold system

that was outlined by 242 historic drill holes. Twinning is returning similar historic assay results, and targeting the high-grade zone is confirming its high grades and provides better definition of where it is located in the subsurface.

Newmont™

CREATING VALUE & IMPROVING LIVES THROUGH SUSTAINABLE, RESPONSIBLE MINING

newmont.com

Your mining partner.

www.liebherr.com

LIEBHERR

Mining

scan me



Conductive Body Under Historic Workings At Prospect Mountain

CALGARY - North Peak Resources Ltd. reported on the Magnetotelluric (MT) helicopter geophysical survey on its Prospect Mountain property in Eureka, Nevada. This work program was undertaken alongside other geophysical surveys, which included a ground gravity and drone magnetic survey, and geochemical sampling programs consisting of underground channel sampling and soil sampling to define surface and underground gold and polymetallic drilling targets on the mining complexes across Prospect Mountain.

"The Eureka camp might well re-emerge as the high-grade underground mining camp it formerly was, and the geophysics surveys underway are targeting these deeper sulphide gold and polymetallic targets, at or below the water table," said Brian Hinchcliffe, CEO. "Prospect Mountain itself was mined from the 9,600-foot elevation down to the 6,500 level off and on from 1870 until 1980 and under these shafts and historic workings sits this textbook conductive body as the possible source of mineralization."

Highlights: A 2km long conductive anomaly directly beneath the old oxide gold, silver, lead, zinc stopes and mine workings on the Property is highlighted by the geophysical survey; and The anomalies occur immediately below the water table where historical records from the district indicate the oxide sulphide transition occurs as it has in other mines in the Eureka Camp and may indicate sulphide mineralization is present.

Magnetotellurics is a passive electromagnetic system designed to measure resistivity/conductivity of the Earth and is especially useful for penetrating to deeper levels than comparable geophysical methods. The aim of the survey is to look for conductors beneath the water table that potentially represent the sulphide equivalents of the Prospect Mountain oxide mineralization.

The rocks surrounding the old oxide workings within the Hamburg and Eldorado Dolomites are highly resistive with no conductivity. Directly beneath the deepest part of the Property workings, at the level of the projected water table is a discrete > 2km long conductive body that plunges to the south. The strongest part of the anomaly sits directly beneath the largest bodies of historical workings on the Property, around the Shaft 1 area. While factors other than sulphides, such as graphitic shales and saline ground water, can cause conductivity, the groundwater tested on the Property is not known to be saline and there are no graphitic shales projected to be in the area beneath the historical mines on the Property. This increases the likelihood that the conductive anomaly is caused by sulphides and it is of a different character to the large formational anomalies highlighted by the survey to the west of the Sharp/Cave Canyon fault that are more likely to be related to lithology. A high resistivity area to the west of the workings may represent a porphyry intrusive. Cretaceous intrusives are thought to be related to the ore mined in the district.

WIPI
www.wipi.com

- BOLTS
- ANCHORS
- SCREWS
- FITTINGS
- DRILL BITS
- ELECTRICAL
- CHEMICAL
- SAFTEY
- INDUSTRIAL / HYDRAULIC HOSE

EST 1968
BATTLE BORN

5355 Louie Lane Reno NV, 89511 • Phone 775-358-9564

Chile Construction Completed For Heap Reprocessing Project

AUSTRALIA - Established gold producer Austral Gold Limited announced that construction at the Heap Reprocessing Project at its Guanaco-Amancaya Mine Complex in Antofagasta, Chile was completed, and commissioning has started. The Company expects production from the Project to start during the last week of July. During the balance of 2023, the Company expects the Project to contribute 7,000-9,000 gold equivalent ounces. The Project

total's proven mineral reserves are estimated at 223,000 gold ounces and 1,043,000 silver ounces. The forecast is a total annual production for fiscal year 2023 between 34,000-38,000 gold equivalent ounces.

CEO, Stabro Kasaneva, said, "We are very proud to have achieved this key milestone which we expect to add low-cost production to our operations. I would like to thank our employees, contractors, and suppliers for completing this project."



YOUR COMPLETE LINE DEALER FOR HITACHI HAULERS, EXCAVATORS, AND RTDRILL DTH AND ROTARY DRILL RIGS. SERVING ELKO SINCE 1983.



MINING LOCATIONS
ELKO | SALT LAKE CITY | TUCSON | GILLETTE
arnoldmachinery.com

WE'RE HIRING!
SCAN TO VIEW
OPEN POSITIONS



CUSTOMER SATISFACTION IS OUR ONLY POLICY®



WE ARE FREEPORT-McMoRAN.

Develop your Freeport Edge at Freeport-McMoRan, a leading international mining company that safely and responsibly supplies the world with essential metals for a better, greener future. We are committed to an inclusive environment and empower our people to drive innovation forward.

ENGINEERING

Mining, Metallurgical, Process, Automation, Geological, Electrical, Environmental, Civil, Mechanical, Chemical and Material Science

SCIENCES

Geology, Mineralogy, Health & Safety, Industrial Hygiene, Chemistry and Environmental

BUSINESS

Human Resources, Accounting, Finance, Global Supply Chain, Communications and Information Technology

[FMJobs.com](https://www.fmjobs.com)



FREEPORT-McMoRAN



ABRASIVE SLURRY? BRING IT ON.



YOUR TRUSTED PARTNER FOR SLURRY PUMPS & SPARE PARTS



904-356-6840
sales@schurcoslurry.com



Copper Creek Project Six Expansion Holes Completed

VANCOUVER - Faraday Copper Corp. reported on six drill holes at its Copper Creek Project, located in Arizona. The holes were drilled to target the potential expansion of the open pit mineral resources.

Paul Harbidge, President and CEO, said, "The results from our Phase II drill program continue to show the exploration upside to the existing resource that formed the basis for the PEA. Three drill holes have identified the opportunity to expand the near-surface mineral resource along the eastern breccia trend and combine two open pits. Additionally, we have identified the potential for payable gold at the Pole breccia. With our Phase II drill program now completed and the results from 26 of 28 holes released, our focus in the third quarter will be on integrating and analyzing airborne magnetic, electromagnetic, drill core, geochemical and spectral data to rank and prioritize targets for a 20,000-metre Phase III drill program planned to commence in the fourth quarter of 2023. We are continuing to analyze historical drill core for gold and will be commencing a metallurgical program shortly. We look forward to providing updates as results are received."

Highlights: 1) Intersected 101.31 metres ("m") at 0.45% copper and 6.69 g/t silver from surface, including 17.70 m at 0.96% copper, 3.33 g/t silver and 0.12 g/t gold from 68.16 m in drill hole FCD-23-032 at the Pole breccia. 2) Intersected 42.03 m at 0.35% copper and 2.99 g/t silver from 74.03 m and 28.97 m at 0.24% copper and 0.99 g/t silver from 130.83 m in drill hole FCD-23-033 at the Pole breccia, outside of the Mineral Resource Estimate (MRE). 3) Intersected 43.29 m at 0.29% copper and 1.13 g/t silver from 75.58 m at the B-24 breccia in drill hole FCD-23-034, outside of the MRE. 4) These three drill holes demonstrate the potential for near-surface resource expansion between the Copper Prince and Mammoth open pit shells.

Drill hole FCD-23-032 was

collared west of the Pole breccia and drilled to the northeast at a 50-degree dip. The mineralization starts from surface and occurs in sheeted veins and transitions into mineralized hydrothermal breccia from 68.16 m to 85.86 m. The Pole breccia is situated between the Copper Prince and Mammoth open pit shells used to constrain the MRE.

Drill hole FCD-23-033 was collared west of the Pole breccia and drilled to the northeast, at a steeper angle than FCD-23-032, to test the southwestward extension of the vein-hosted mineralization surrounding the Pole breccia. The hole intersected three mineralized intervals, of which two, totalling 70.00 m, are located outside the MRE pit shell. Both holes drilled at the Pole breccia demonstrate the potential for resource expansion and open pit consolidation along the eastern breccia trend, which includes the Copper Prince and Mammoth breccias.

Drill hole FCD-23-034 was collared west of B-24 breccia and includes two mineralized intersections in an area between the Copper Prince and Mammoth open pit shells previously considered as waste in the MRE. The hole ends in mineralization and has the potential to connect these two resource pits.

Drill hole FCD-23-030 was collared in the previously undrilled Rye area and drilled to the northwest. This hole intersected short intervals of igneous cemented breccia and several zones of disseminated pyrite including one at a grade of 1.00 g/t silver over 22.30 m from 242.49 m in a sericite altered granodiorite porphyry. The abundance of pyrite, which commonly occurs above copper bearing sulphides in an outer alteration halo, suggests that the hole remained in the shallow portions of the mineral system. The area warrants additional drilling.

Drill hole FCD-23-031 was collared in the Rye area and drilled to the south. It intersected granodiorite porphyry in the upper half of the hole and vein-

lets containing pyrite cutting glory hole volcanics in the lower half of the hole. No copper mineralization was identified.

Drill hole FCD-23-035 was collared east of Copper Knight breccia and drilled towards the east to test a previously undrilled breccia target. It intersected an approximately 39-metre-wide zone of elevated copper from 84.80 m at 0.11% copper and 0.45 g/t silver associated with intense sericite alteration affect-

ing granodiorite and breccia zones. Although this hole did not identify mineralization above the cut off grade used for the MRE, the results indicate that this area remains prospective for copper mineralization and merits follow-up.

Phase II drilling, which includes a total of twenty-eight drill holes was completed in June 2023. The results for twenty-six drill holes have been released to date. The assay results for the

remaining two completed drill holes will be released as they are received, analyzed and confirmed by the Company. To rank and prioritize targets for the 20,000-metre Phase III drill program, the Company is integrating and interpreting multiple datasets, including geological mapping, drill core, airborne magnetic, electromagnetic, spectral and geochemical data. The Phase III drill program is scheduled to commence in the fourth quarter of 2023.



The oldest and largest raiseboring contractor in the U.S.

Mick Hardwick, General Manager
Email: mhardwick@raisebor.com



No Project Too Big Or Too Small.

Website: raisebor.com

Phone: (205) 945-1300 • Fax: (205) 945-1441

301 Industrial Drive, Birmingham, AL 35211-4443

granite
SEED
and erosion control

The largest selection and highest quality native seed in the western United States, custom blended to your projects unique specifications.

Utah 801.768.4422
Colorado 720.496.0600

graniteseed.com



Restart Program At The Christensen Ranch ISR Project

CORPUS CHRISTI, TX - Uranium Energy Corp (UEC) plans to accelerate the steps required for a resumption of operations has been completed, enabling a faster restart at the Christensen Ranch in-situ recovery (ISR) Project in Wyoming.

Amir Adnani, President and CEO, said, "With demand increasing for uranium supply from stable geopolitical jurisdictions and U.S. national security objec-

tives, we foresee an increasingly urgent need for domestic uranium supply. The fundamental drivers of supply and demand, including pending legislation to ban Russian uranium imports to the United States, are translating into rising uranium prices that have accelerated UEC's production readiness program. In that regard, we have been working towards restarting production to fulfill the need for domestic uranium and

are pleased to provide an update on activities related to resuming operations at the Christensen Ranch ISR uranium operations in Johnson County, Wyoming."

The orebody at Christensen Ranch ISR Project is divided into tracts of injection and recovery wells. These tracts of wells are called "Mine Units" for production management. Each Mine Unit is then subdivided into groups of injection and recovery

wells that are operated individually; these groups are called "Modules", also known as "header-houses", where each well is connected to a manifold that connects to pipelines that carry the recovery solutions to the satellite IX plant.

Each Mine Unit typically contains 600 to 800 injection and recovery wells, depending upon the orebody configuration, with each Module having an average

of 90 to 100 injection and recovery wells. This configuration allows great flexibility in operations, allowing operation of all Modules in a Mine Unit, or just one Module, as well as individual wells in each Module, and as many Modules in the various Mine Units as desired. All wells are controlled electronically and can be started and stopped in the Module buildings and at the satellite plant operations control room.



TAILINGS AND HEAP LEACH STEWARDS

“Our Clients are First, the Team is Second, and I am Third.”

TIERRA GROUP IS SEEKING MOTIVATED CIVIL, GEOTECHNICAL, AND WATER RESOURCES ENGINEERS TO JOIN OUR TEAM TO WORK ON PROJECTS AROUND THE WORLD...AND IN ELKO!

GISTM | AUSTRALIA



TAILINGS ENGINEERING/DESIGN | NICARAGUA



WATER MANAGEMENT | PHILIPPINES



HEAP LEACH PAD ENGINEERING/DESIGN | MEXICO



FIELD SERVICES | WEST AFRICA





Phase One 2023 Field Program At Twin Peaks Project

TORONTO - Champion Electric Metals Inc. has completed Phase I of the Twin Peaks Cobalt Project 2023 field program in the heart of the Idaho Cobalt Belt. The Phase I field program consisted of stream sediment and outcrop rock sampling in conjunction with geologic mapping. The Company has submitted samples to the ALS Global preparation lab in Twin Falls, ID and will begin a desktop study on recent findings.

Mining Regulatory Framework Agreed

AUSTRALIA - Centamin plc announced that the framework for the model mining exploitation agreement (MMEA) has been agreed in principle with the Egyptian Ministry of Petroleum & Natural Resources ("MoP") and the Egyptian Mineral Resources Authority ("EMRA").

The MMEA sets out the legal and fiscal framework that will apply to commercial discoveries made on the highly prospective c.3,000km² of ground awarded to Centamin for exploration in the Eastern Desert of Egypt.

Alongside industry partners, Martin Horgan, CEO, and the Egyptian Minister of Petroleum & Natural Resources, His Excellency Eng Tarek El-Molla, have jointly reached an agreement in principle on the fiscal and regulatory terms for with the exploitation phase of new mining projects in Egypt. Following Egyptian government and legal procedures, the MMEA will be ratified as a Special Law by the Arab Republic of Egypt in late 2023.

"The Phase I program consisted of field examination of 73 watersheds and 85 candidate stream sediment sample sites within the Twin Peaks claim block, from which 32 stream sediment samples were collected," commented President and CEO Jonathan Buick. "Stream sediment sample density along the western portion of the project is judged to be sufficient to recognize potential southeasterly continuation along strike of copper-cobalt mineralization known at the adjacent Iron Creek Project of Electra Battery Materials. Additionally, geologic mapping and outcrop rock sampling were commenced and will be continued in the Phase II program starting August 1. All samples from the Phase I program have been submitted for multi-element ICP analysis and gold fire assay. Preliminary results are expected in July."

The 2023 Phase I field work also investigated the scale of the Twin Peaks Mine base and precious metals hydrothermal system located in the northeastern portion of the claim block. Georeferencing of historical underground geological mapping by Landreth (1964) was completed by capturing the GPS coordinates of the portals for Levels 1 and 2 south of Corral Creek.

The minimum width and strike dimensions of the hydrothermal system are approximately 350 m and 500 m, respectively. Historical lead-copper-silver-gold production derived from a series of 1-2 m wide and northwest-striking chloritic shear zones within the

larger hydrothermal system, which is hosted in the quartzite of the Apple Creek Formation. Assays are pending for seven samples of variably altered and mineralized rocks from waste dumps.

Landreth further described copper prospects located both 1 km north and 1 km south of the Twin Peaks Mine. A dozer trench was completed at the northern prospect prior to 1964. Champion Electric geologists collected four samples of quartz veining with variable amounts of iron oxides and secondary copper minerals from the trench spoil pile for assay. The southern copper prospect is a 2 m diameter prospect pit identified from orthophotography follow-

ing completion of Phase I field work; sampling of this occurrence is a priority for the Phase II program.

Inclusion of the northern and southern prospects within the Twin Peaks Mine hydrothermal system infers a potential minimum strike length of 2 km. Reconnaissance soil lines with samples at 20 m spacing are being considered to define the limits of possible trenching and bedrock sampling both north and south of historical underground mining. The Twin Peaks Mine and satellite prospects are located on land administered by the Bureau of Land Management and it is possible to proceed with ground disturbance of less than five acres in 2023

under a Notice of Intent (NOI).

The Twin Peaks Project comprises 2,761 hectares (6,820 acres) and includes both the historical Twin Peaks Copper Mine and the Badger Basin Prospect. The property is at an early stage of exploration but located approximately 3 kilometres southeast from Electra Battery Metals' advanced exploration stage Iron Creek Project, which boasts an indicated resource of 4.4 Mt grading 0.19% cobalt (Co) and 0.73% copper (Cu) and 1.2 Mt grading 0.08% Co and 1.34% Cu in the inferred category (NI 43-101 Technical Report and Mineral Resource Estimate for the Iron Creek Cobalt-Copper Property, Lemhi County, Idaho.

JOEL CAMPBELL
Business Development Manager/US

Mobile: (480) 522-9210 • joel.campbell@majordrilling.com

2200 South 4000 West, Salt Lake City, Utah 84120 USA
Toll Free: (800) 453-8299 • www.majordrilling.com

DATA becomes Information.
Information becomes KNOWLEDGE.

Enterprise Knowledge Performance System

SourceOne® Enterprise Knowledge Performance System (EKPS) is a vanguard data transformation system that handles the vast amount of complex data generated by mines by using an ontology framework and knowledge graphs.

Eclipse Mining Technologies® eclipsemining.com



Newmont Outlook Reflects Increasing Gold Production

DENVER, CO - Tom Palmer, President and Chief Executive Officer of Newmont Corporation, reported, "In the second quarter, Newmont delivered \$910 million in adjusted EBITDA with a disciplined approach to running a safe and sustainable mining business to generate long-term value. Our business is underpinned by the industry's strongest balance sheet and a global portfolio with the size and scale to make decisions that deliver on our strategy. We remain on track to achieve our

full-year guidance, and I am proud of the prudent decisions made during the second quarter to safeguard our workforce, protect long-term value and position Newmont to deliver a strong performance in the second half of the year."

The company is on track to achieve full-year guidance of between 5.7 and 6.3 million ounces of attributable gold production with Gold AISC between \$1,150 and \$1,250 per ounce; primarily driven by increased production at Ahafo, Tanami,

Cerro Negro, Akyem and the two non-managed joint ventures at Nevada Gold Mines and Pueblo Viejo.

The definitive agreement transaction to acquire Newcrest Mining Limited is expected to close in the fourth quarter, subject to customary conditions, including shareholder approval. Progressed portfolio optimization through the deferral of the investment decision for the Yanacocha Sulfides project by at least two years.

In June, Newmont suspended

operations at Peñasquito to focus on finding an appropriate and sustainable resolution to the dispute with the leadership of the National Union of Mine and Metal Workers of the Mexican Republic. The Eléonore was evacuated and temporarily shut down in June to protect its workforce from the unprecedented wildfires in Canada. The Cerro Negro paused mining in May to complete important inspections for the safety and wellbeing of its workforce. At Akyem in the second quarter, Newmont processed low-grade stockpiles originally planned for the fourth quarter and optimized the mine plan to safely extract the maximum amount of ore from the pit.

Direct operating costs remained largely consistent with the first quarter as inflation pressures continued to stabilize, with improvements to pricing on energy, fuel and commodities, as well lower direct costs as a result of the suspension of operations at Peñasquito. In addition, AISC was higher due to higher sustaining capital during the second quarter compared to the first quarter, driven by the timing of spend at Boddington, Musselwhite and Ahafo. Peñasquito incurred \$23 million of operating costs and \$15 million of depreciation and amortization due to the suspension of operations. In addition, Eléonore incurred \$6 million of operating costs and \$2 million of depreciation and amortization while the site was evacuated due to the wildfires in Canada. These costs have not been adjusted from Newmont's Non-GAAP financial metrics for the second quarter.

Production remains weighted to the second half of the year as previously guided, with improving costs expected through the remainder of the year, driven by the following sites:

1) Ahafo is expected to reach higher grade and tonnes mined from Subika Underground with access to the third mining level and additional draw points, in addition to higher ore tonnes mined and improved grade at the Subika Open Pit. The site is on track to commission the replacement conveyor in the third quarter.

2) Cerro Negro is expected to improve productivity and reach higher grade stopes from the first wave of the Cerro Negro District Expansions. In the second quarter, first ore was mined from San Marcos, the first of six new deposits.

3) Tanami is expected to deliver higher tonnes mined and processed and reach the year's highest grades during the fourth quarter.

4) Akyem is expected to deliver higher grade tonnes in the second half of the year following the decision to optimize the mine plan for safety and productivity in the second quarter.

5) Nevada Gold Mines and Pueblo Viejo are both expected to be weighted strongly toward the second half of the year.

The Company's project pipeline supports stable production with improving margins and mine lives¹. Newmont's 2023 and longer-term outlook includes current development capital costs and production related to Tanami Expansion 2, Ahafo North,

Continued On Page 16



CIVIL & STRUCTURAL ENGINEERING SERVICES
Exceeding Your Expectations With The Highest Quality Designs.
Licensed In All 50 States and Canada

- Plant and Facilities Design
- Tank, Bin and Vessel Design
- Civil & Structural Engineering
- Welding Engineering & Inspections
- Access Platform, Stairs, Ladders
- Chemical and Material Handling

TALK WITH US TODAY
208.436.0333
LeavittEngineers.com
1324 1st Street S. Nampa
ID 83651




ECRS

Engineered Casting Repair Services, Inc

Engineering Affiliate of

METALOCK® CORPORATION

"The Technology Leader in the Crack Repair Industry"

Any Crack...Anywhere...Any Time

Analysis and Repair of Cracked and Eroded Ball and SAG Mill Trunnions, and Heads.

Phone: (225) 791-8900

Fax: (225) 791-8965

email: metalock@eatel.net

You Know It's Cracked - How Do You Fix It?

Tommy Beauf

EXPERIENCE, QUALITY & COMMITMENT



JOIN OUR DRILLING SERVICES TEAM!

- STRONG COMPENSATION PLAN
- COMPREHENSIVE BENEFITS
- ADVANCEMENT OPPORTUNITIES

MULTIPLE POSITIONS AVAILABLE.
RECRUITING@BOARTLONGYEAR.COM



For well over a century, Boart Longyear has proven our dedication to the success of the industry.

We are proud to be recognized as one of Elko's Finest – thank you for voting for us! We work tirelessly for our customers - and our employees.

www.boartlongyear.com/contact



**new
location**

1439 Stitzel Rd.
Elko, NV 89801
(775) 753-4157

FARVAL
Lubrication
Systems

SLS
WEST, INC.

Engineered Lubrication Solutions®
24 HOURS

SLS LUBRICANTS

DISTRIBUTORS
FACTORY AUTHORIZED
SALES and SERVICE

WWW.SLSWESTLUBE.COM

3323 LeTourneau Dr.
Gillette, WY 82718
(307) 682-0555

LINCOLN

24 HOUR
PROFESSIONAL
LUBRICATION
SERVICE!

Aeroquip

Barksdale
CONTROL PRODUCTS
CRANE Barksdale, Inc./Barksdale GmbH
A Subsidiary of Crane Co.

Hannay Reels
The reel leader.

MAC

GRACO

ASCO

INDUSTRIES SERVED

MINING EQUIPMENT
MOBILE EQUIPMENT
MANUFACTURING
PULP & PAPER
POWER GENERATION
RAIL EQUIPMENT
SERVICE TRUCKS
GENERAL LUBRICATION



SLS West, Inc. provides one stop shopping for lubrication equipment, lubrication system design, installation, service, lubricants and technical support. If you are having lubrication problems, make it our problem to solve.

EQUIPMENT SALES

- 🔥 FACTORY AUTHORIZED STOCKING DISTRIBUTOR FOR LINCOLN, FAST FILL SYSTEMS AND MANY OTHER MANUFACTURERS OF INDUSTRIAL EQUIPMENT
- 🔥 MANUFACTURERS' WARRANTIES AVAILABLE FOR ALL NEW EQUIPMENT
- 🔥 COMPLETE HIGH PRESSURE HOSE FABRICATION FROM 1/4" TO 1" AT OUR FACILITY OR YOURS
- 🔥 WIDE VARIETY OF FORGED STEEL AND HIGH PRESSURE FITTINGS, VALVES AND ADAPTERS SUITABLE FOR LUBRICATION SYSTEMS

EQUIPMENT SERVICE

- 🔥 TECHNICIANS ARE ON CALL 24 HOURS A DAY, 7 DAYS A WEEK
- 🔥 EXPERT ON-SITE SYSTEM INSTALLATION, TROUBLESHOOTING AND REPAIR
- 🔥 OUR SERVICE TRUCKS ARE FULLY STOCKED WITH A FULL LINE OF REPAIR PARTS FOR SINGLE LINE PROGRESSIVE, SINGLE LINE PARALLEL, DUAL LINE AND MIXED METHOD LUBRICATION SYSTEMS AS WELL AS A GASOLINE POWERED WELDER - GENERATOR, AIR COMPRESSOR, HYDRAULIC HOSE SWEDGER AND LIGHTING FOR NIGHT WORK.
- 🔥 IN-HOUSE DESIGN TEAM AND ENGINEERING FOR CUSTOM APPLICATIONS
- 🔥 FACTORY AUTHORIZED WARRANTY CENTER FOR LINCOLN AUTOMOTIVE AND INDUSTRIAL EQUIPMENT AS WELL AS REPAIR EQUIPMENT FOR ALL OTHER BRANDS INCLUDING GRACO, ALEMITE, BALCRANK AND SAFEMATIC

LUBRICANTS

- 🔥 EXTREME HIGH PERFORMANCE GREASE, OPEN GEAR LUBRICANTS, ENCLOSED GEAR OILS, WIRE ROPE OILS, AND CHAIN OILS
- 🔥 CARTRIDGES, AEROSOL SPRAY CANS, 35LB PAILS, 120LB KEGS, 400LB DRUMS AND BULK CONTAINERS

BULK LUBRICANT DELIVERY

- 🔥 PROMPT DELIVERY TO YOUR LOCATION DIRECTLY TO YOUR PUMPING STATION WITHOUT EXCHANGE OF THE CONTAINERS
- 🔥 DELIVERY TRUCKS ARE EQUIPPED WITH HIGH VOLUME TRANSFER PUMPS AND SELF CONTAINED AIR COMPRESSORS



ECLIPSE MINING TECHNOLOGIES

Groundbreaking Enhancements In Latest SourceOne® EKPS Release

**SOURCEONE®
EMERGES AS CATALYST FOR
DATA TECHNOLOGY DISRUPTION**

TUCSON, AZ - Eclipse Mining Technologies, provider of data technology solutions and developer of the SourceOne® Enterprise Knowledge Performance System (EKPS), announced the launch of its latest release, which marks a significant expansion of its product capabilities. This milestone comes as mining and other similar big data industries continue to face increasingly complex data challenges that coincide with the exponential acceleration in the development and accessibility of artificial intelligence tools. At the core of this latest release lies a schema that acknowledges the need for data to undergo a transformative process in order to become prepared for its utilization by artificial intelligence tools and for knowledge generation.

Since its inception in 2017, Eclipse has been dedicated to developing a comprehensive solution that addresses the most pressing data-related hurdles. The Eclipse team aims to meet this challenge head-on by incorporating cutting-edge technologies such as Data Ontology, Knowledge Graphs, and Data Modeling into its existing architecture.

The new release details include: 1) An enhanced integration layer to achieve genuine data integration. 2) An ontology layer to enrich data meaning with extensive context. 3) A modeling layer with knowledge graphs to

capture and visualize relationships between data objects. 4) Enhanced automation to provide answers on demand. 5) The ability to incorporate advanced analytics (via external AI models) to unlock additional value.

According to Eclipse, data holds immense value, but only when it is actively utilized. The foundation of a knowledge system lies in extracting insights from data and empowering users to leverage that knowledge effectively. By employing ontology, computers can comprehend and interpret data, thereby enabling thorough analysis and operationalization of information for practical use. The introduction of a knowledge graph within SourceOne allows for modeling the unique complexities of each operation and provides a shared understanding of data across domains, revolutionizing data integration capabilities. With this release, data becomes a driving force that empowers users in ways previously unimaginable.

Susan Wick, Eclipse CEO, highlighted the significance of this milestone by stating: “Industries identified a long time ago the challenges they face with the vast amounts of data they are collecting. But what do they do with that data? How do they process and benefit from it? And is it only available to a few data scientists or across business units, allowing everyone to meet the challenges of their job by leveraging the relevant data with which to improve their results?”



True knowledge management necessitates a framework to make it successful and useful outputs to make it consumable. That is precisely what an EKPS offers and what conventional data management systems were never designed to achieve. Technology is now meeting these needs, and SourceOne is defining the path.”

Fred Banfield, Eclipse’s Chairman, agreed: “The use of ontology and knowledge graphs will provide guidance on where data is, how to access it, and

what tools should be used to analyze it, and even what to do with the results. Providing users with tools is not enough, without the guidance provided by ontology and knowledge graphs, which make use of the collective experience of past practitioners.”

About Eclipse Mining Technologies: Eclipse Mining Technologies is a leading provider of cutting-edge technology solutions for the mining industry. Since 2017, Eclipse has been committed to addressing data challenges and revolutionizing

how organizations leverage information for improved operational performance. Their flagship product, SourceOne EKPS, is a vanguard data transformation system that uses Data Ontology and Knowledge Graphs to offer comprehensive data integration, knowledge management and advanced analytics capabilities, empowering mining companies to unlock the full potential of their data.

For more information contact: Email: info@eclipsemining.com, Website: eclipsemining.com.

Delivering Value.
Kinross Gold Corporation

KINROSS

www.kinross.com



CONTINUED FROM PAGE 12

Newmont Outlook Reflects Increasing Gold Production

Pamour and Cerro Negro District Expansion 1. Longer-term development capital outlook has been updated to reflect the deferral of the investment decision for the Yanacocha Sulfides project, which has reduced expected capital spend by \$300 million in 2024. Additional development capital spend and all metal production for Yanacocha Sulfides has been excluded from longer-term outlook until an investment decision has been reached.

The Tanami Expansion 2 in Australia secures Tanami's future as a long-life, low-cost producer by extending mine life beyond 2040 through the addition of a 1,460 meter hoisting shaft and supporting infrastructure to process 3.3 million tonnes per year and provide a platform for future growth. The expansion is expected to increase average annual gold production by approximately 150,000 to 200,000 ounces per

year for the first five years and reduce operating costs by approximately 10 percent. Commercial production for the project is expected in the second half of 2025.

At the Ahafo North in Africa, has expanded the Company's existing footprint in Ghana with four open pit mines and a stand-alone mill located approximately 30 kilometers from the Company's Ahafo South operations. The project is expected to add between 275,000 and 325,000 ounces per year. Ahafo North is the best unmined gold deposit in West Africa with approximately 3.8 million ounces of Reserves and 1.4 million ounces of Measured, Indicated and Inferred Resources² and significant upside potential to extend beyond Ahafo North's current 13-year mine life. Commercial production for the project is expected in the second half of

2025.

Pamour in Northe America has extended the life of Porcupine and maintains production beyond 2024. The project will optimize mill capacity, adding volume and supporting high grade ore from Borden and Hoyle Pond, while supporting further exploration in a highly prospective and proven mining district. An investment decision is expected in late 2023 as opportunities have been identified to extend production from current operations, allowing for a deferral of project spending. Formal updates to capital estimates and estimated project completion will be provided closer to the investment decision.

Cerro Negro District Expansion 1 in South America included the simultaneous development of the Marianas and Eastern districts to extend the mine life of Cerro Negro beyond

2030. The project is expected to improve production to above 350,000 ounces beginning in 2024 and provides a platform for further exploration and future growth through additional expansions.

The Yanacocha Sulfides in South America has been deferred for at least two years from the previously planned investment decision date in 2024, representing the first step to Newmont delivering on its portfolio optimization strategy. Yanacocha Sulfides will develop the first phase of sulfide deposits and an integrated processing circuit, including an autoclave to produce 45% gold, 45% copper and 10% silver. The first phase focuses on developing the Yanacocha Verde and Chaquicocha deposits to extend Yanacocha's operations beyond 2040 with second and third phases having the potential to extend life for multiple

decades.

Newmont's outlook reflects increasing gold production and ongoing investment into its operating assets and most promising growth prospects. Outlook includes development capital, costs and production related to Tanami Expansion 2, Ahafo North, Pamour and Cerro Negro District Expansion 1. Longer-term development capital outlook has been updated to reflect the deferral of the investment decision for the Yanacocha Sulfides project, which has reduced expected capital spend by \$300 million in 2024. Additional development capital spend and all metal production for Yanacocha Sulfides has been excluded from longer-term outlook until an investment decision has been reached.

NEVADA

Solar Lithium Confirms Program Has Positive Mineralization Results

VANCOUVER - Cruz Battery Metals Corp. reported that the drill results have been received from the phase-4 drill program on the 8,135-acre Solar Lithium Project in Nevada.

Three Reverse Circulation (RC) drill holes from the phase-4 drill program were submitted for assaying. All three drill holes discovered the presence of lithium. Solar-13, the farthest North RC hole, had a high value of 1,050 parts-per-million lithium (ppm Li), including 626 ppm Li over 130 feet. Solar-11 had a high value of 950 ppm Li, including 612 ppm Li over 60 feet. Solar-10,

Cruz's Southernmost drill hole, located immediately North of the American Lithium Claim boundary, had a high of 1,060 ppm Li, including 476 ppm Li over 70 feet.

Frank Bain, Project Geologist, said, "Assays have been received from ALS Global for the recently completed Phase 4 drilling program.

All holes discovered lithium mineralization with thicknesses varying from 70 to 135 feet. The drilling confirmed that the mineralization is open in all directions from the Phase-4 holes.

The Phase-5 drill holes have been permitted and will test for lithium mineralization both North, West and South of the Phase-4 drill sites. Drilling is expected to recommence shortly."

Jim Nelson, President of Cruz Battery Metals, stated, "With the phase-4 drill program having expanded the known lithium footprint on the Solar Lithium project, we now look ahead to formulating our phase-5 drill program. Cruz is one of the largest landholders in the Big Smoky Valley of Nevada, and we've still only explored a small fraction of the property.

Cruz is well-funded to complete all planned drilling and we anticipate a phase-5 drill program and generating our maiden resource estimate on the 8,135-acre Solar Lithium Project shortly. The remainder of the year will be very active, with several potential catalysts ahead."

SUBSCRIPTION ORDER FORM

THE MINING RECORD 134 YEARS THE INDUSTRY'S LEADING MINING NEWSPAPER



The Mining Record has been in continuous publication for 134 years and is recognized as the industry's leading newspaper. The Mining Record has an international readership. It focuses on timely and credible news reporting on exploration, discovery, development, production, joint ventures, acquisitions, operating results, legislation, government reports and metals prices. Its readership is concentrated in the mining industry proper - mining companies, engineers, geologists, mine supervisory personnel, company officers and individuals engaged in exploration and large or small mine production. Every year, The Mining Record devotes an issue to the major conventions in the western U.S., Canada and Latin America.

Available to order online:
www.miningrecord.com



THE MINING RECORD NEWSPAPER

- 1 year \$55 to U.S. Subscribers
- 2 years \$85 to U.S. Subscribers
- 3 years \$120 to U.S. Subscribers
- 1 year 1st Class Mail \$85 to U.S. Subscribers
- 1 year \$85 - Canada & Mexico
- 1 year \$99 - Foreign

Check Enclosed Money Order Enclosed
(MAKE CHECKS/MONEY ORDERS PAYABLE TO HOWELL INTERNATIONAL)

ALL ORDERS IN U.S. CURRENCY
FOREIGN ORDERS CREDIT CARD ONLY
(EXCLUDING CANADA)

Visa American Express Master Card

Exp. Date _____ CCV _____

Name _____ Card # _____

Name _____ Company _____

Address _____ City _____

State _____ Zip _____ Country _____ Phone _____

MAIL, FAX, EMAIL OR CALL:

P.O. Box 1630 • Castle Rock, Colorado 80104 USA • (303) 663-7820 • Fax: (303) 663-7823, Email: subscriptions@miningrecord.com



Increase Of Mineral Resources At Muntanga Project

VANCOUVER - GoviEx Uranium Inc. announced an updated Mineral Resource Estimate (MRE) for its Muntanga Uranium Project in Zambia. The Muntanga Project consists of three mining permits that cover some 720km², and contains five deposits: Dibbwi, Dibbwi East, Muntanga, Gwabi and Njame.

Daniel Major, CEO, said, "Our drilling campaigns in 2021

and 2022 have led to a significant update in the Muntanga mineral resource estimate. This progress is characterized by a notable growth in in-pit resources, a substantial conversion of inferred resources into the Indicated category, and an overall rise in uranium grades. What's more exciting is that this upward trajectory in resource growth persists even under lower uranium prices, such as the

USD50/lb used in our Preliminary Economic Assessment (PEA)1. There is also additional potential for further upgrading of inferred resources, thereby expanding the resources that can be included in the feasibility study. These are very promising results and will be integrated into our ongoing feasibility study."

The 2023 updated MRE is the result of extensive infill drilling, including 8,010 metres drilled in 2021 and a further 19,990 metres drilling in 2022, predominately on the Dibbwi East deposit, to further delineate the deposit and convert inferred resources to the indicated category.

The mineral resource update included a comprehensive reassessment of previous work and a revised correlation between down-hole radiometric probe data and chemical assays used to con-

vert down-hole radiometric data into equivalent uranium grades (eU3O8) for mineral resource estimation.

Based on the USD50/lb U3O8, used to define the mining schedule in the 2017 PEA, constrained total pit resources are 36.5 Mlb eU3O8, comprising 34 Mt at 374 ppm eU3O8 for 28.4 Mlb in measured and indicated and 11 Mt at 348 ppm eU3O8 for 8.1 Mlb of inferred, highlighting the robustness of the mineral resources at Muntanga. With the quality of the resource estimate improved, higher M&I, higher grade and a notable increase in estimated resources within the constrained open-pit area, we are optimistic that the updated MRE will be favourable to the project economics previously estimated for Muntanga in the PEA, and especially as the ongoing drilling

is targeting conversion of more inferred resources into indicated resources.

As per the regulations applicable the MRE reported did not need to be constrained by pit shells based on any particular uranium price, as almost all mineralisation at the time occurred within 125 m of surface with uranium grades that were, in general, considered to have a reasonable prospect for eventual economic extraction ("RPEEE") by open pit mining. The cut-off grade used for reporting the 2017 MRE was 100 ppm eU3O8.

The 2023 MRE is disclosed including an additional constraint applied to comply with the RPEEE and is accordingly reported within a constraining open-pit shell based on a uranium selling price of USD70/lb U3O8 and a 100 ppm eU3O8 cut-off grade.

Deepest Drill Intersection To Date At Imperial Zone

VANCOUVER - Endurance Gold Corporation (EDG) reported on the exploration program at its Reliance Gold Project. Assay results are reported herein for the deepest hole drilled to date in the Imperial Zone. The Property is road accessible and located 4 kilometres (km) east of the village of Gold Bridge. Drilling has now been conducted at the Diplomat, Imperial and Eagle Zones with eleven (11) holes completed for over 3,030 metres (m) of the ongoing 15,000 m program.

Assay results have been received from diamond drill hole DDH23-066 and Imperial drill hole. This drilling tested the deeper northwest extensions of the Imperial Zone on the Royal Shear. DDH23-066 drilled at -45 degrees returned three significant intersections from the Imperial Zone: 17.28 gpt gold over 4.2 m including 35.2 gpt gold over 1.3 m commencing at 306.5 m downhole depth. This represents a 115 m step out northwest from DDH23-065 intersection with 8.98 gpt gold over 9.3 m and 60 m step out northwest from DDH21-011 which reported 2.1 gpt gold over 24.9 m. Additional intersection of 2.26 gpt gold over 9.7 m including 15.6 gpt gold over 0.8 m & 6.48 gpt gold over 0.7 m commencing at 312.45 m downhole depth; and additional intersection of 4.86 gpt gold over 2.3 m including 18.25 gpt gold over 0.4 m commencing at 384.69 m downhole depth. This diamond drill hole intersection represents the deepest to date at 290 m below surface, along with altered and mineralized interval that extends over about 80 m estimated true width indicating the gold mineralized system remains open to expansion at depth and along strike. The wider and better grade intersections at the Imperial Zone are now interpreted to have a northwest trending plunge. Four drill holes at the Eagle Zone and one at the Crown Target Area have been completed with assay results pending.

"We are pleased to see the strong grade and width of the gold mineralizing system at the Imperial Zone continue with significant step outs at depth to the northwest where it is open to expansion. Furthermore, the four drill holes completed at the Eagle Zone have intersected eighteen anticipated mineralized intervals ranging up to 7.7 m in width. Thus, to date all of the 2023 drill holes have intersected intervals of cataclastite breccia, coxcomb quartz, arsenopyrite and stibnite which are associated with gold mineralization." stated

Robert T. Boyd CEO, "The diamond drill hole testing the Crown soil anomaly is the first drill test of the 600 m undrilled gap between Imperial and Eagle Zones."

American Exploration & Mining Association
EST. 1895™

129th Annual Meeting, Exposition & Short Courses

December 4–8, 2023
Nugget Casino Resort, Sparks, NV

AEMA's Annual Meeting is the second largest and longest running annual mining convention in the U.S. The AEMA Annual Meeting hosts a strong technical program; prominent, informative speakers; timely and relevant short courses; and important networking and social opportunities with industry professionals. Over 100 speakers, AEMA's Annual Meeting also hosts the industry's leading exhibiting companies, along with an extensive core shack.

The American Exploration & Mining Association
16201 E Indiana Ave, Suite 3280
Spokane Valley, WA 99216
Email: mheywood@miningamerica.org
Tel: 509-624-1158
www.miningamerica.org



THE MINING RECORD PROFESSIONAL DIRECTORY

For nearly 60 years, Ames Construction has self-performed high-quality General Contracting services to complete successful projects safely, on-time, and within budget.

Ames is family-owned, committed to relationships built on honesty, performance, and mutual trust, and dedicated to providing superior construction services to our clients.



Visit us online at AmesConstruction.com **Ames Construction**



**Diamond Core Drilling
Minerals Exploration
Directional Drilling
Geothermal Exploration
Geothermal Drilling
Consulting**

www.tonatec.com

**We thrive
on challenges**

wsp wsp.com/mining

CAB

**Hooks, Hangers &
Mine Safety Products**

*Proudly Manufactured in the USA by the
Cambria County Assn. for the Blind and Handicapped,
Providing Employment for Persons with Disabilities*

Visit www.cabproducts.com



Sacrison Engineering
MINING - GEOLOGICAL - HYDROLOGICAL - ENVIRONMENTAL - MAINTENANCE
Construction Management
Project Management
Engineering
320 Poplar Drive
Elko, NV 89801-4558
Phone: 775-777-7455
Fax: 775-549-8949
Cell: 775-397-2983
rsacrison@trulite.net
www.sacrison-engineering.com

**INDEPENDENT
MINING CONSULTANTS, INC.**

Tucson, Arizona
Tel: (520) 294-9861 FAX: (520) 294-9865
imctucson.com

**PR ENGINEERING
LIMITED**

Website: www.prengineering.com
Tel: (905) 579-9721 Fax: (905) 434-6878

DENVER MINING CLUB, LTD.

RAGGED ASS MINERS, EST. 1891
www.denverminingclub.org

GRAYMONT

3950 South 700 East, Suite 301
Salt Lake City, UT, USA 84107
Phone: (801) 716-2634 Fax: (801) 264-8039
www.graymont.com



(303) 567-4174
www.minenv.com

MINING & ENVIRONMENTAL SERVICES, LLC
General Manager: Mark Levin, P.E.

CORRIVEAU J.L. & ASSOC. INC
Land & Mining Surveyors

3D SCANNING & MODELLING BY:
GROUND AND AIRBORNE 3D SCANNING AND MODELING
GYRO AND GPS SERVICES, SALES, RENTALS, UNDERGROUND AND
SURFACE CONTROL, BOUNDARY AND LEGAL SURVEYS, TOPOGRAPHIC
SURVEYS, PHOTOGRAMMETRIC MAPPING AND BOREHOLE
DEVIATION (XYZ) AND BATHYMETRIC SURVEYS

1085 - 3rd Avenue, Val d'Or (Quebec) Canada J9P 1T5 Tel: (819) 825-3702
Fax: (819) 825-2863 email: bureau@corriveaujl.com, website: www.corriveaujl.com

ROCK TOOLS, INC.

P.O. BOX 58196, SALT LAKE CITY, UT 84158, U.S.A.
PHONE (801) 328-3733 FAX (801) 575-7004

TEJADA PHOTOGRAPHY

Specializing in annual report photography
for mining and heavy industrial clients.
Call 303.979.0171

**Knight Piesold
CONSULTING**

**ADDING VALUE.
DELIVERING RESULTS.**

Cementation
WE BUILD MINES. SAFELY.
cementation.com

Revegetation & Erosion Control

**granite
SEED**

(801) 768-4422
Fax (801) 768-3967
www.graniteseed.com

THE INTERNET CONNECTION DIRECTORY

CONTRACT MINING

Ames Construction
www.amesconstruction.com
info@amesconstruction.com

CONSULTANTS - MINERAL INDUSTRY

Independent Mining Consultants
www.imctucson.com
imc@imctucson.com



www.KnightPiesold.com

wsp wsp.com/mining

CRUSHERS - MINING AND AGGREGATE

PR Engineering Ltd.
www.prengineering.com
info@prengineering.com

HEAP LEACH/TAILINGS DAM GEOTECHNICAL/ENVIRONMENTAL

wsp wsp.com/mining

HEAVY MINING EQUIPMENT

Wagner Equipment Company
www.wagnerequipment.cat.com

MATERIAL HANDLING SYSTEMS MINE PLANNING • MODELING SOFTWARE

**INDEPENDENT
MINING CONSULTANTS, INC.**

Independent Mining Consultants
www.imctucson.com
imc@imctucson.com

MINING/EXPLORATION COMPANIES

Freeport-McMoRan
www.fcx.com

General Moly
www.generalmoly.com

Newmont Mining Corporation
www.newmont.com

PIPE SYSTEMS

Naylor Pipe Company
www.naylorpipe.com
sales@naylorpipe.com

STEEL FABRICATORS - PIPE

Mill Man Steel, Inc.
www.millmansteel.com
kevin@millmansteel.com

Naylor Pipe Company
www.naylorpipe.com
sales@naylorpipe.com

TUNNELING - RAISEBORING

Cowin & Company, Inc.
www.cowin-co.com
jcowinjr@cowin-co.com

RAISEBOR

www.raisebor.com
mhardwick@raisebor.com

UNDERGROUND CONSTRUCTION AND MAINTENANCE



www.KnightPiesold.com

USED/NEW HEAVY EQUIPMENT

Arnold Machinery Company
www.arnoldmachinery.com

Cashman Equipment Company
www.cashmanequipment.com

For your company's listing in the Internet Connection Directory please contact:
The Mining Record at: 800-441-4748 • Ph: 303-663-7820 •
advertising@miningrecord.com
P.O. Box 1630, Castle Rock, Colorado 80104-6130 USA

www.miningrecord.com

MINEXPO
INTERNATIONAL.

20
24 | **SEPTEMBER 24-26, 2024**
LAS VEGAS, NEVADA, USA

INNOVATION LIVES HERE

MINExpo INTERNATIONAL® brings thousands of mining producers, manufacturers and suppliers together to experience first-hand innovation and collaboration. And you have the essential equipment, solutions and resources that mining professionals need.

Meet influential buyers and decision-makers in person at the mining industry's largest global event. Establish partnerships that will build, run and power the modern world.

BECOME AN EXHIBITOR

Buyers By the Numbers

- 90% of attendees are prepared to buy new products and services.
- 36% say they'll spend up to \$1 million; another 32% plan to spend more than \$10 million.
- 45% only attend MINExpo.
- 50% are first-time attendees.

www.minexpo.com



WHY ATTEND?

With 11 halls of industry suppliers showcasing the latest products and services for mining, you'll have three days to see the best from leading manufacturers, global suppliers and cutting-edge start-ups. Whatever you need for mining—whether it's for exploration; mine development; open pit or underground mining; preparation and processing; smelting and refining; environmental compliance; safety; reclamation or mine closures—it's all at MINExpo INTERNATIONAL 2024.!

MINING REAGENTS AND SERVICES

Activated Carbon
Activators
Bulk Commodities
Coagulants

Defoamers
Depressants
Diluants
Dispersants

Dryings Aids
Dust Control
Flocculants
Flotation Oils

Freeze Control
Metal Precipitants
MIBC
Pine Oil

Polyglycol Frothers
Scale Inhibitors
Specialty Collectors
Xanthates



Process Optimization And Troubleshooting



On-Site Technical Support And Training



Lab Testing And Reagent Evaluation



Custom Blending And Packaging



Security Of Supply

quadrachemicals.com
1.800.681.2313