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IDAHO Project Permitting Updated At The DeLamar Au-Ag Project

VANCOUVER - Integra Resources Corp. reported on various permitting activities that have been underway since 2020 in anticipation of the filing of the Mining Plan of Operations in Q4 2023. The review and approval process for the MPO by the BLM constitutes a federal action under the National Environmental Policy Act (NEPA) and BLM regulations. The MPO is the basis for the impacts to be analyzed during the NEPA process. Alternatives in the MPO are required for scoping in NEPA process, as well as for geochemical characterization and groundwater modeling. Potential disturbances and anticipated impacts provided in the MPO will be the basis for all federal, state, and local permitting efforts.

"The Company continues to push the DeLamar Project, Idaho, forward on two fronts: de-risking DeLamar through permitting and expanding the resource through drilling. On the permitting front, many key studies are well advanced. The Company has initiated baseline studies designed to ensure data collection and/or monitoring since 2020. These studies, among other items, will be fed into an MPO to be filed in late 2023," noted President and CEO George Salamis. "On the second front, we are excited to announce that the Company has commenced a drill program on the historic low-grade gold-silver stockpiles that were mined and stored by previous operators. The 11,000 m drill program is aimed at growing the oxide resource to potentially expand future heap leach operations at DeLamar. This material once successfully defined, could result in a significant amount of low-cost gold-



The Company has commenced an 11,000 m drill program at DeLamar using a sonic drill rig. The drill program will test approximately 60 million tonnes ("Mt") of low-grade gold-silver mineralized material that was stockpiled and/or used as backfill by previous mine operators at DeLamar from the 1970s to the late 1990s. Photo courtesy of: Integra Resources Corp.

silver mineralized material being added to future mine plans at DeLamar. These stockpiles, much of which were to be moved as part of the pre-stripping cost in the Company's Pre-feasibility Study, have the potential to further enhance both the economics and mine life of DeLamar."

To date, the Company has completed more than 80% of the required fieldwork for the baseline studies associated with the proposed mine features at DeLamar. These baseline studies have been ongoing since 2020 and the remaining 20%of required study will be finished during the 2023 field season. Long lead-time studies, such as groundwater modeling and geochemical characterization, were initiated in 2021. Groundwater and geochemical modeling will aid in the determination of required reclamation activities as well as the basis for various permits required to be in place prior to construction including Idaho Department of Environmental Quality ("IDEQ") Point of Compliance, Section 404 of the Clean Water Act, and Cyanidation Permit. Ongoing engineering design is underway and the team is refining the placement of facilities, pit design, mining sequence, geotechnical investigations, and material processing to develop a complete and accurate MPO. Other elements such as transportation, energy needs, and public safety are also under development. The Reclamation Plan, an essential element of the MPO, will be completed in 2023.

The Company has been working closely with the BLM since signing a Memorandum of Understanding with the agency in August 2020 to facilitate the hiring of a dedicated mineral specialist in the Marsing, Idaho BLM office. SWCA Environmental Consultants has been selected as the third-party consultant to the BLM.

The Company has commenced an 11,000 m drill program at DeLamar using a sonic drill rig. The drill program will test approximately

60 million tonnes ("Mt") of lowgrade gold-silver mineralized material that was stockpiled and/or used as backfill by previous mine operators at DeLamar from the 1970s to the late 1990s. The estimated cut-off grade used by previous operators ranged from 0.80 g/t AuEq and 0.90 g/t AuEq, a cut-off significantly above that used in the Company's Pre-feasibility Study and suggesting that a significant amount of the 60 Mt of stockpiled material could potentially be amenable to heap leaching. As this material has already been mined and segregated close to or within existing planned mining infrastructure, with the associated mining and stripping costs already incurred by the previous mine operators, this material has the potential to be a source of low-cost gold and silver production in future mine plans. The stockpile drilling program will be executed at 60 m collar spacing with select 30 m infill test holes. All drilling will be vertical through the entirety of the stockpiles. Sampling will be conducted at 1.5 m intervals for the whole of the drilling with all samples sent to a third-party lab for analysis. Bottle roll testing will be conducted on crushed material and column leach testing is planned for select material obtained with the sonic drill.

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Triple T Project Approval Of NOI

VANCOUVER - Thomas Klein, NV Gold Corporation VP Exploration, said, "I am excited to have received the approval for drilling NV Gold's Triple T Gold Project located at the southeastern end of the Humboldt Range, Pershing County, Nevada. Triple T is one of three promising lease agreements the Company has done with Tom Callicrate (Mountain Gold Claims, LLC) over the last year. The Project has decent gold values with multiple grams up to 11.7 g/t Au from rock chip sampling and the remaining open gold intercepts from historical drilling in excess of 1.0 g/t Au were compelling enough to get the Project added back to NV Gold's Exploration Portfolio."

The Project is comprised of 41 claims and located in the Humboldt Range. The Company started in May 2009 with geological reconnaissance, followed by several campaigns of surface rock and soil geochemistry sampling, and concluded with a drilling program in October 2009. Two principal zones of gold mineralization, the "South Area," and the "North Area," were identified by earlier exploration and drilling campaigns. A third zone of rock chip goldanomalism, called the "Next Target," was never drilled.

In June 2021, the Company signed a Lease Agreement providing NV Gold the right to lease an undivided 100% right, title, and interest in Triple T. Guided by 3-D Leapfrog modelling, NV Gold sees the opportunity to re-evaluate this comprehensive near-surface, oxidegold potential with gold grades up to 11.7 g/t Au from rock chip sampling and open drill intercepts of 32 meters @ 0.73 g/t Au and 16.8 meters @ 1.345 g/t Au, to improve and enhance the Property to a pre-discovery stage. The Company has recently received the approval of the Triple T "Notice of Intent (NOI)" for 10 additional RC (reverse circulation) holes and will commence with the drill site construction soon.

Commissioning Begins At Cobalt Operations

IDAHO - Jervois Global Ltd. has commenced the first stage of plant commissioning at its Idaho Cobalt Operations mine site (ICO), following a successful opening ceremony. ICO is commencing a commissioning phase during this month, with equipment undergoing final completion testwork ahead of continuous commercial concentrate production expected across Q4 2022. Jervois expects to achieve full nameplate capacity by the end of Q1 2023. Jervois in '22 has announced 46,000 feet drilling campaign targeting both infill and expansion of the existing known mineral reserve and resource. To date, it has completed 27,000 feet of drilling, which for infill has reduced drill hole spacing and which is expected to underpin mining in 2023 and 2024. Given the underground access which has now been opened via mine development, surface drilling (including targeted resource expansion holes) is now switching to underground, where productivity is expected to improve and can continue through winter.





Drill Program Begins At Selena Project In White Pine

VANCOUVER - Ridgeline Minerals Corp. reported the commencement of diamond core drill program at the Selena project. Selena is a silver (Ag) gold (Au) - lead (Pb) - zinc (Zn) carbonate replacement (CRD) style discovery located in White Pine County, Nevada.

The drill program will complete up to ten (10) shallow core holes (\sim 1,800m) across the Chinchilla, Juniper and Broken Egg targets with objectives at each target.

Mike Harp, Vice President, Exploration said, "Our team has a high degree of confidence in the geologic model, and we are excited to kick-off the fall drill campaign at Selena. This program was designed to de-risk multiple shallow-oxide targets and is a critical step in the exploration process as Selena transitions to a resource delineation focus in 2023."

Chinchilla: Objective - Complete one core twin of reverse circulation (RC) drillhole SE21-025 which returned 44.2 meters (m) grading 123.2 grams per tonne (g/t) Ag, 0.1 g/t Au, 1.5% Pb, and 0.6% Zn; and Rationale - Historic core holes acquired in June support the Company's interpretation that silver-bearing Cerargyrite (silver oxide commonly associated with highgrade silver at Selena) zones are not optimally recovered using percussive RC drilling methods. This may have led to incomplete sample recovery and subsequent under-reporting of silver grades.

Juniper: Objective -Complete two core holes testing the down-dip extension of historical high-grade Ag-Au mineralization; and Rationale -Historical core holes at Juniper returned highlight intercepts of 0.3 m grading 6,667 g/t (0.67%) Ag, 7.7 g/t Au, 1.6% Pb, 0.2% Zn and 1.0 m grading 2,467.2 g/t (0.25%) Ag, 5.1 g/t Au, 1.1% Pb, 1.4% Zn within 7.7 m 725.2 g/t Ag, 1.5 g/t Au, 1.3% Pb, 0.9% Zn starting at 15.5 m in LB-072.

Start Of Phase 3 Drilling At TK Greenfield Cu-Au Project

> VANCOUVER - BCM Resources Corp (B) reported that exploration drilling program at its Thompson Knolls (TK) greenfield Cu-Au-Ag-Mo porphyry system in southwestern Utah has resumed. The Company has received permits from the BLM to drill an additional 7 diamond drill holes for 24,200 feet (~7,400 meters). Drilling in hole TK7, that is designed to test the center of the highest magnetic anomaly.

> Sergei Diakov, President, said, "In Phase 3 drilling we will be testing the extension of porphyry mineralization within the intrusion in both directions to the west and to the east as well as tracking the extension of peripheral mineralization in skarns along the northern edge of the intrusion. This is a

critical phase of drill testing of the TK Cu-Au-Ag-Mo porphyry system, and we are looking forward to exciting results from drilling."

We are also planning to test the extension of the mineralization in the western flank previously intercepted in drill holes TK3a and TK5, however, drilling at the latter failed to reach the mineralized intrusion due to drilling complications. We anticipate that drill hole TK8 would confirm the extension of the mineralization in the intrusion in the western direction. Drill holes TK9, TK10, and TK11 are designed to test the potential for mineralized skarns along the northern edge of the TK intrusion. Drill holes TK12 and TK13 will test the eastern flank of the mineralized intrusion.

Broken Egg: Objective -Complete 6 to 7 wide-spaced core holes to define oxide gold potential within a prospective but historically untested target; and Rationale - Broken Egg falls within the oxide Au halo of the greater porphyry zonation pattern at Selena. Target exhibits 3+ km long oxide gold footprint supported by soil geochemistry, rock chips, and a backpack drill hole that returned a highlight intercept of 0.9 m grading 2.4 g/t Au in SEBP-002 starting from surface.

Selena Project: Selena is located in White Pine County, Nevada, approximately 64 kilometers (km) north of the town of Ely, NV. The project shares a property boundary with the Butte Valley project, a US \$33M earn-in agreement between Freeport-McMoRan and Falcon Butte Minerals. The 100% owned project is comprised of 39 square kms of highly prospective exploration ground including Ridgeline's shallowoxide 2020 Ag-Au \pm Pb-Zn Chinchilla discovery. Subsequent drilling has continued to highlight the potential for highgrade CRD type mineralization (Ag-Au-Pb-Zn \pm Cu) between Chinchilla and the Butte Valley Cu-Au-Ag porphyry located directly west of the property.



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MONTANA **Drill Program Completed At The Iron Butte Project**

VANCOUVER - Angold Resources Ltd. announced the completion of the drilling program at its Iron Butte Project, located approximately 60 kilometres (km) south of Battle Mountain, Nevada. A total of 5 holes were completed for a total of 2,152 metres. Drilling was distributed across the project area, with three holes into the Red Ridge Zone, one at the North Zone, and the remaining hole drilled into the newly identified Northern Extension Zone. The drill program was designed to test targets identified through geophysics and geochemical activities outlined in previous report - April 2022, and to define the strike extensions of the mineralized veins within the historic resource areas.

CEO, Adrian Rothwell, said,

"Angold was able to test all of our intended targets in this maiden drill program.

Though drilling encountered logistical issues that resulted in unexpected delays, we are excited for results in the coming weeks."

The Iron Butte Project is comprised of 267 unpatented Bureau of Land Management mineral claims, covering approximately 2,210 hectares on the southwest edge of the Caetano Caldera west of the Cortez Hills mine in the Shoshone Range.

Iron Butte is a low sulfidation epithermal system with a historic (non-compliant) resource, mineralization from surface over a ~ 2 km strike length, shallow historic drilling and gold grades of up to 7.74 g/t.

Shallow Oxide Au Mineralization Extended To The East At Lemhi

VANCOUVER - Freeman Gold Corp. has received results for 11 diamond drill holes from the Company's 12,168 m Phase II resource expansion drill program at the Lemhi Gold Deposit, Idaho. Ten of these drill holes were designed to test mineralization on strike to the east of the known deposit (expansion holes) and one infill hole to improve the resource confidence in zones with historical drill holes.

The expansion holes represent 20 to 80 metre step outs to the east of existing drilling where mineralization is open. These areas were previously modelled as unmineralized due to lack of drilling in the initial maiden mineral resource estimate (MRE). The current MRE comprises an Indicated Mineral Resource of 22.94 million tonnes at 1.02 g/t Au for 749,800 oz of gold and an Inferred Mineral Resource of 7.68 million tonnes at 1.01 g/t Au for 250,300 oz of gold. The MRE covers a surface area of 400 by 500 metres and extends down to a depth of 180 metres below surface. The resource expansion holes that form the bulk of the current Phase II drill program are designed to extend this current resource both along strike and at depth.

Paul Matysek, Executive Chairman, said, "These first ten drill holes step out up to 80 metres along strike, adding approximately 20% to the known mineralized east-west strike length. This initial batch of results gives us confidence that we will increase our overall gold resource and likely improve the economics by adding crucial ounces within our eastern pit shell boundaries. Similar drilling has been completed to test the west and north extents of the deposit and we eagerly await the results."

All holes drilled to date have intersected shallow oxide gold. Selected highlighted results from the 10 holes are 0.61 g/t Au over 90m, including 0.92 g/t Au over 15.97m (FG22-009C); 0.94 g/t Au over 41m, including 1.67 g/t Au over 17m (FG22-014C); 0.73 g/t Au over 7.5m (FG22-002C; deepest mineralization drilled to date (340m) at Lemhi); and 2.1 g/t Au over 16m (FG22-016C). Gold mineralization now extends to at least 348 metres and is open at depth.

As of date, a total of 50 new core drill holes have been completed at Lemhi for a total of 12,168 metres. In addition, two reverse circulation (RC) holes totalling 402m were completed at Lemhi.

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Results Compiled From Elena Tolosa Exploration Area

VANCOUVER - Avino Silver & Gold Mines Ltd. has now compiled further drill results from Phase 2 of its exploration program. These results represent six holes completed below the current Level 17 mining area at the Elena Tolosa (ET) area of the Avino Mine. The goal of this program is to define the continuity of the steeply dipping mineralization and to identify the source of the mineralization's feeder. These drilling results demonstrate the continuity of our mineralization similar to or higher than the current mining widths and grades at the lowest level of the current Avino Mine production area.

"The ET area drilling builds on our June 2022 results as we as continue to expand the area of mineralization below Level 17", said David Wolfin, President and CEO. "We are thrilled at the copper grades over significant widths and encouraged to see strong gold and silver grades as well. In the last drill campaign, we drilled to a depth of 290 metres below the lowest mining level. This current drill campaign tested infill sections to a depth of 232 metres to ensure continuity as well as extensions to the east of the known mineralization. Furthermore, we also tested on the eastern edge of our production workings to add to our geological understanding and help identify the main mineralization feeder. With this continued success, our team is extremely excited on ET prospects and have made the decision to mobilize Avino's 3rd exploration drill rig to these areas. The current intercept widths suggest that this area will be able to utilize Avino's existing low-cost bulk mining methods."

Avino is developing a geological model based on a "near porphyry" environment. The persistence of grade continuity from surface down a plunge distance of over 800 metres (600 metres vertical) and base metal zonation supports the likelihood of a deeper mineralized system and could possibly be linked to a porphyry centre.

The Property contains numerous low-sulphidation epithermal veins, breccias, stockworks, and silicified zones that grade into a "near porphyry" environment within a large caldera setting. The caldera has been uplifted by regional north-trending block faulting, exposing a window of andesitic pyroclastic rocks of the lower volcanic sequence within this caldera. This lower volcanic sequence is overlain by an upper volcanic sequence, consisting of rhyolite to trachyte lava flows and extensive ignimbrites that have been intruded by monzonite bodies. The direction of the copper grade increase plunges towards the east in the Avino vein, suggesting changing pressure and temperature conditions with depth at the time of mineralization and possibly reflecting a transition from epithermal to porphyry-style mineralization.

Six holes totalling 3,269 meters drilled were completed to investigate the continuity of mineralization in the central part of the ET Area. Five of the holes intercepted the mineralization within the vein.

Vein-type mineralization and stockwork with mineralization of silver, gold and copper are found along the contacts between intrusive rocks and an andesite. This provides opportunities within the ET Area for the identification and delineation of additional mineral resources that remain open on strike and dip. This recent deeper drilling confirms that the mineralization persists down dip significantly past the lowest developed mining level and may prove to add significant mineral resources subject to the completion of an updated mineral resource estimate currently scheduled for Q1 2023.



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Gold Recoveries In Column Testwork For The Sewum And Boin Deposits At Enchi Project

VANCOUVER - Newcore Gold Ltd. reported on three additional column tests completed as part of the ongoing metallurgical program at the Enchi Gold Project in Ghana.

An average gold recovery of 92.4% was achieved from column testwork completed on two composite samples from the Sewum Gold Deposit and one composite sample from the Boin Gold Deposit.

Three Column Tests Completed, Average Gold Recovery of 92.4% Achieved. A total of three column tests (two from Sewum and one from Boin) returned an average gold recovery of 92.4%, with a recovery range of 89.0% to 98.6%.

Testwork Further Advances the Understanding of Processing Options for Enchi along with testing completed on representative samples from diamond drill core.

Coarser samples used to better represent modelled crush size for heap leach processing, along with larger sized samples used in the columns with each sample weighing 30 kg.

Coarser grind size compared to prior testing contributed to lower consumption for cyanide as well as lower required amounts of lime and cement per kilogram.

All samples showed modest cyanide consumption with an average of 0.63 kilograms per

tonne ("kg/t"), with a 1.4 kg/t lime (hydrated) addition to maintain a pH above 10.5.

Optimization work to be completed on additional column tests. Further planned metallurgical work to consist of a benchscale test to be completed in the field on the Project. The testing of sulphide mineralization to be completed in 2023.

Greg Smith, VP Exploration, said, "This additional set of column tests completed on diamond drill core material from the Enchi Gold Project returned consistent results with high recoveries for all three composite samples, highlighting the amenability of Enchi to heap leach gold recovery.

These samples are representative of the oxide and transitional material from the two largest deposits, Sewum and Boin, which together currently comprise approximately 87% of the Enchi Inferred Mineral Resource Estimate. Of note these samples were much coarser than material used for previous testwork and were more in line with the parameters of the Preliminary Economic Assessment completed in 2021.

The coarser material resulted in a series of positive benefits including continued excellent recoveries, lower required reagent levels for lime and cement and lower cyanide consumption and slumping."



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ELKO COUNTY Geophysical Surveys Begin At The Golden Trail Property

ONTARIO - Peloton Minerals Corporation (PMC) reported that an Audiomagnetotellurics (AMT) and Induced Polarization (IP) geophysical surveys are commencing on the Golden Trail Property in Elko County, Nevada, and that the surface work has been completed for a DEEPEM geophysical survey conducted at the Boulder Copper Porphyry Property near Butte, Montana.

The AMT and IP geophysical surveys commencing at Golden Trail are to follow up on 2021 drilling of a series of Carlin style hydrothermal alteration anomalies first identified by an airborne hyperspectral survey. Drilling confirmed the hydrothermal alteration extended to at least a vertical depth of 195 feet, with high temperature hydrothermal alteration minerals intersected in all twelve of the drill holes as well as anomalous gold, silver (average 0.98 g/t; range 0.08 to 8.52 g/t; 420 analyses) and pathfinder elements. The hydrothermal alteration appears to be within the hanging wall of north-west striking and northeast dipping faults mapped at surface.

The geophysical surveys are intended to try to image the source of the mineralizing fluids and to plan a deeper drilling program in this area.

The DEEPEM geophysical survey conducted on the Boulder Property, Montana covered 10 square kilometers of the property and is intended to aid in prioritizing numerous drill targets within a large IP anomaly that, in plan, is several thousand meters in diameter and is associated with a known mineralized Cu-Mo porphyry system based on limited drilling by Anaconda and Molycorp in the late 1960's and a junior company in the early 2000's.

Processing and analysis of the DEEPEM data obtained from the surface work is now underway.

The Boulder Property is held by Peloton subsidiary, Celerity Mineral Corporation, which Peloton plans to spin out as its own publicly traded entity. Completion of the geophysical work on the Boulder Property will enable a 43-101 technical report to be finalized and the Celerity "Going Public" process to move forward. It is anticipated that Peloton shareholders will receive a dividend of Celerity shares with Peloton retaining a significant interest in Celerity. No record date for the dividend has been set.

High Grade Polymettalic From First Phase Drilling At Cumavici

VANCOUVER - Terra Balcanica Resources Corp. reported high-grade polymetallic results from the first phase of drilling at the Cumavici prospect at the Viogor-Zanik project, Bosnia and Herzegovina. High grade polymetallic mineralization at Cumavici continues with a significant step-out: CMVD-D003 is an 83-meter step-out from CMVDD001 and intercepted a thick vein interval of 465.5 g/t AgEq. over 8.7 meters, including 1196.6 g/t AgEq. over 2.0 meters. The vein is open at depth. Continuity of high-grade epithermal mineralization: the CMVDD002 hole is a critical hole drilled between CMVD-D001 and CMVDD003, where it intercepted 816.1 g/t AgEq. over 2.0 meters starting at 45.0 meters depth thus showing highgrade vein continuity at Cumavici Ridge.

Cumavici Ridge vein system remains open at depth: all three holes drilled at Cumavici Ridge spanning over 80 meters of down-dip length have returned positive, high-grade results with massive Pb-Zn-Sb sulphides and significant Au-Ag credits. The vein system also appears to continue along strike and further drilling will systematically evaluate the extent of this discovery. District-scale exploration up-



side: the 7.2 km strike length of the system at Cumavici remains open with several untested targets.

The focus of the current drilling by Terra is to drill the extents of this prospective area focusing on key vein segments identified from previously completed surface mapping, geochemical and geophysical analysis, and structural work. The Viogor-Zanik project spans over 216 km2 and has two other key target areas featuring Cu-Mo porphyry (Olivine) and Au-Cu-Zn skarn (Brezani) styles of mineralization.

CEO, Aleksandar Mišković, said, "With the 80 meter drill step out we have confirmed a significant down-dip extension of the shallow Cumavici Ridge vein which is open at depth. All three holes drilled to date at this target have intercepted highgrade polymetallic mineralization and we are gaining a better understanding of the geological model with each hole completed. The Cumavici Ridge vein segment itself appears open along strike, thus providing opportunities for further step outs to define its geometry and grade. Furthermore, Cumavici Ridge is only one of the prospective localities within the larger 7.2 km Cumavici corridor, the extent of which we are excited to fully investigate. We are seeing the same geological characteristics across the large footprint akin to the vein-hosted style of mineralization present in the adjacent Mineco Group's Sase Mine. Terra has been and will continue to drill these target areas as a part of our maiden drill program. A number of additional drill holes are currently at the lab and more assays will be released over the coming months."



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Remaining Drill Holes At Western Extension Of La Ye Target

VANCOUVER — Baroyeca Gold and Silver, Inc. reported on the remaining assay results from its Phase 2 drilling program in the western extension of La Ye mineralized corridor at its Atocha silver and gold project in Tolima, Colombia. The Company drilled approximately 1,400m in 12 holes. Follow up drill holes of this Phase 2 program continued delineating the boundaries of the mineralized shootintersecting multiple sets

of stacked veins, with up to four of them in the northernmost holes. The veins are hosted in amphibolitic to graphitic schist and a precursor high grade silvergold zone is markedly delineated by an outer zone comprised of swarms of late white quartz epithermal veins. Graphitic schist is the preferred host rock, showing pyritic alteration haloes around the veined zones. Hole AT-22-22 intersected 0.50m of 210.33 g/t AgEq followed by 0.40m of 986.58 g/t AgEq. An undercut hole to this one, AT-22-23, intersected the same vein zones, including an upper zone of one meter of 316.70 g/t AgEq (including 0.25m of 648.88 g/t AgEq).

Follow up holes towards the north included hole AT-22-27 that intersected 138.83 g/t AgEq over 0.70m and 447.38 g/t AgEq over 0.65m. Hole At-22-28 to the north of the previous hole continued intersecting the vein system returning 247.03 g/t AgEq over 0.50m and 130.65 g/t AgEq over 0.35m. The following hole in the structure, AT-22-29, returned 304.68 g/t AgEq over 0.35m for another 25m step out in hole AT-22-30 returning 261.33 g/t AgEq over 0.55m.

Hole AT-22-31 intersected the widest vein zone interval in the target, over 7 meters, but lacking any sulfide content and it only returned trace gold and silver values. An undercut hole AT-22-32 between holes 29 and 30 returned 135.30 g/t AgEq over 0.36m. The mineralized shoot extends for approximately 200m along strike with a 300 rake to the north, remaining

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open at depth. It is offset to the south by an E-W late fault.

Raul Sanabria, P.Geo., President, said, "We have successfully completed our initial objective of delineating and characterizing the first of the several vein corridors found on the property.

The drill program has demonstrated continuity for a strike length in excess of 1km and two high-grade silver-gold zones have now been delineated for deeper follow-up drilling. The vein corridors are regional-scale structures reactivated by several mineralizing pulses where they form higher grade silver and gold zones or shoots at certain frequencies. Despite the narrower widths of the precursor silver enriched mineralized zone in this second target compared to the main La Ye, the system supports consistent AgEq grades in the hundreds of grams per tonne and is large and regional in scale.

Baroyeca has so far only tested the shallower parts of system to connect the surface exposures with the inferred structures and following them along strike. This has proven the first continuous 1km plus vein corridor. The drill rig has now started drilling a separate parallel structure 1km to the South in what is known as the Tavera target."



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High-Grade Results From South Pacific Zone At Granite Creek

RENO, NV - i-80 Gold Corporation reported on the final six holes drilled in the successful 2022 surface drill program targeting the high-grade South Pacific Zone at the Granite Creek Property located in Humboldt County, Nevada. The South Pacific Zone ("SPZ") was discovered in 2021 and is host to high-grade gold mineralization located immediately north of the underground mine workings at Granite Creek. The 2021/2022 drilling campaigns were very successful in delineating and expanding mineralization in the SPZ with new results continuing to confirm significant upside potential. Hole iGS22-26 is the deepest and most northerly hole drilled to test this horizon, intersecting an impressive 15.7 g/t gold (Au) over 6.6 metres (m), approximately 170 m north of iGS22-05 (16.4 g/t Au over 15.3 m). The SPZ remains wide open for expansion along strike to the north and at depth.

Highlight new results from 2022 drilling in the South Pacific Zone: 15.7 g/t Au over 6.6 m (0.46 oz/ton Au over 21.8 feet) in hole iGS22-26; 13.9 g/t Au over 4.6 m (0.41 oz/ton Au over 15.0 feet) in hole iGS22-27; 23.2 g/t Au over 5.3 m (0.68 oz/ton Au over 17.5 feet) in hole iGS22-28; 8.5 g/t Au over 5.6 m (0.25 oz/ton Au over 18.3 feet) including 10.9 g/t Au over 2.3 m (0.32 oz/ton Au over 7.5 feet) in hole iGS22-29; and 9.9 g/t Au over 11.9 m (0.29 oz/ton Au over 39.0 feet) including 18.0 g/t Au over 4.8 m (0.53 oz/ton Au over 15.6 feet) in hole iGS22-30.

The SPZ is a priority for development and the Company is currently extending the decline to depth in order to provide access to the SPZ on an expedited basis with a target to complete underground drilling and bring the SPZ into the Granite Creek mine plan in 2023. The Company will now complete an updated resource for the underground mineralization at Granite Creek that will be included in a subsequent economic update that is expected to be released in Q1-2023.

Additional drilling is being planned for 2023 both along strike and at depth to continue resource expansion.

"Drilling in the South Pacific Zone has ended the year on a high note with the final six holes intersecting high-grade gold mineralization over mineable widths and further extending the deposit along strike to the north.", said Tyler Hill, Senior Geologist. "The continuity of high-grade mineralization makes the SPZ a priority for development and we look forward to continued expansion drilling in the new year."



Significant Increase In Mineral **Resources At Marimaca Project**

VANCOUVER - Marimaca Copper Corp. reported on the updated Mineral Resource Estimate (MRE) for the Marimaca Oxide Deposit (MOD) located in the Antofagasta region, Chile. The 2022 MRE demonstrates significant resource growth over the 2019 MRE.

The 2022 MRE incorporates 19,580m of ~41,500m of drilling (reverse circulation ("RC") + diamond) completed in 2022 for a total of over 110,000m of drilling completed since 2016. The balance of the 2022 infill drilling program, totalling approximately 28,000m, will be included in a subsequent MRE, with the objective of converting the remaining Inferred Resources to the Measured and Indicated Categories to underpin the Definitive Feasibility Study (DFS) planned for 2023.

Hayden Locke, President & CEO, said, "Sergio Rivera and his team delivered two very successful drilling programs in 2021 and 2022 through challenging operating conditions discovering new additional mineralisation adjacent and below the current Marimaca pit model. The 2022 MRE reflects the exploration and geological work completed. With the discovery of the MOD depth extensions in 2021, we believed there was the potential to make a step change in the scale of the resource. This MRE has clearly achieved that. It establishes the MOD as one of the most significant greenfield copper oxide discoveries in the last 20 years and confirms its potential to host over one million tonnes of contained copper in a single pit. The Project will clearly support a larger operation in terms of copper cathode production, but also a meaningful mine life extension. We will assess production scenarios between 50,000 and 60,000 tonnes per annum prior to commencing our Definitive Feasibility Study in 2023. Importantly, the positive attributes which were key to the MOD's industry leading return on invested capital (ROIC) metrics - low life of mine strip ratio, shallow high-grade core in the first five years of the mine life, minimal pre-strip and low expected start up capital cost - remain firmly intact, meaning this resource upgrade will be reflected as a material improvement in project value. We have completed another 28,000m of drilling for which we are waiting on results.

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New Exploration Targets At The Bolo Gold-Silver Project

VANCOUVER - CopAur Minerals Inc. reported on grid rock geochemical sample results for the Bolo Gold-Silver Project, which have generated numerous new exploration targets for potential Q4 2022 drilling. The Bolo Project is located in the Hot Creek Range of Nye County, Nevada, 65 kilometres eastsoutheast of the Round Mountain Gold Mine. The 2022 surface work comprised prospecting and grid rock chip geochemical sampling targeting the gold bearing Mine Fault and East Fault structures; including areas within the prospective Windfall Formation unit, which is also an important gold host at Bolo.

A total of 626 rock samples were collected over a 1,000 m x 300 m area designed to infill and extend historical rock chip coverage along prospective fault

trends. A total of four (4) rock grid samples returned gold values greater than 1 gram-pertonne (g/t) gold (Au) and up to 6.44 g/t Au, along the East Fault. Six (6) samples returned silver (Ag) values greater than 10 g/t Ag and up to 177 g/t Ag, along the Main Fault.

The expanded dataset highlights multiple new Carlin gold geochemical pathfinder (arsenic ± antimony \pm barium \pm silver \pm gold) anomalies at Bolo along the Main Fault, East Fault, and associated splay structures. Integration of these new geochemical data with Induced Polarization (IP) / resistivity geotesting later this year, each located in a favorable geological or structural setting along the East Fault, and featuring coincident geochemical, geophysical, and/or hematite/iron oxide alteration anomalies.

RC and diamond core drilling by the Company at the South Mine Fault Zone, that yielded drill intercepts including 1.2 g/t Au over 122 m2, has demonstrated continuity of mineralization over 350 m. With the addition of new rock grid sampling CopAur has expanded the potential mineralized strike extent to great than 2 kilometres along two parallel fault structures.

Jeremy Yaseniuk, CEO, said, "We are excited to start testing new exploration targets outside of the drill confirmed South Mine Fault Zone. The Company's work at Bolo integrating surface geochemical, geophysical, and remote satellite alteration mapping has defined numerous robust new greenfield drill targets. We believe this measured and systematic approach to exploration targeting gives us excellent potential to expand the already significant

footprint of drill-confirmed gold mineralization at Bolo."

Up to 4,000 metres of RC and core drilling is planned for Q4 2022, including expansion drilling at the South Mine Fault Zone (1,000 m), as well as exploration drilling of new targets (3,000 m). This drilling will allow CopAur to complete the work expenditures required during 2022 to earn an initial 50.01% ownership interest in the Bolo Project, and to have the opportunity to elect to increase its ownership to 75% by completing additional \$4M of expenditures over next 2 years.



Increased Gold Recovery At Tonopah Gold Project

VANCOUVER - Viva Gold Corp. has completed an initial metallurgical optimization program for its Tonopah Gold Project, located near Tonopah, Nevada. The study is titled "Tonopah Gold Project, Pulp Agglomeration, Report on Metallurgical Testwork". Pulp agglomeration/heap leach testing produced a calculated gold leach recovery of over 91% for high-grade (+ 1.0 gpt gold) composite samples; the 91% indicated recovery is significantly higher than the 71% recovery estimate utilized in the 2022 PEA Technical Report. Gold recoveries on the low-grade com-

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Long Intercepts Within The Northern Extension Of The Kwanika Deposit

VANCOUVER - NorthWest Copper reported on four holes drilled in the northern lobe of the Kwanika Deposit's Central Zone. These holes returned long intercepts of copper and gold mineralization. Highlights include: K-22-237: 364.20 metres of 0.27% CuEq3 from 27.80 to 392.00 metres, including 24.55 metres of 0.86% CuEq from 229.30 to 253.85 metres; and K-22-238: 167.85 metres of 0.32% CuEq from 33.55 to 201.40 metres.

"These holes confirm that strong copper and gold mineralization continue in the northern portion of Kwanika Central Zone," said President and CEO Peter Bell. "These holes demonstrate that the Kwanika system contains a cluster of deposits over three kilometers, from South Zone to these recent holes in the north of the Kwanika Central Zone. Further drilling results are expected from the South Zone at Kwanika as well as our other projects.

We have now released results from 20 of the 30 drill holes competed at Kwanika in 2022. We anticipate that we will continue to publish results from the 2022 program over the remainder of the year

Diamond drill holes K-22-237, 238, and 246 were designed to target structurally controlled higher-grade mineralization in the northern portion of the Central Zone.

They complement previously released drill holes K-22-234, 235, 236, 239, 241, 243, 244, and 2454. The results of all of these holes collectively demonstrate continuity of grade within the currently defined resource. Including the previously reported holes, the northern portion of the Central Zone was drilled over approximately 450 metres in strike length and results demonstrate that mineralization continues to the north of the conceptual open pit. All three holes ihit mineralization that is relatively shallow with overburden cover ranging from 27.80 to 43.50 metres downhole depth.

Results from the drilling in the northern extent of the conceptual open pit will also help constrain our structural and geological models and help focus future exploration programs."

K-22-237 has the longest intercept with 364.20 metres of 0.27% CuEq. This intersection is on the same section as K-22-236 that was reported as 179.60 metres with 0.33% CuEq6, and the two holes demonstrate continuity of grade on this section. Hole K-22-237 also intersected mineralization below the current conceptual open pit and could add value to the project in the future.

Mineralization in K-22-237 is hosted in andesites to 117.85 metres depth with strong pervasive propylitic alteration and chalcopyrite hosted in quartzsulphide veins. This is followed by diorite with strong pervasive propylitic alteration and an overprint by potassic alteration.

The copper mineralization is in chalcopyrite and occurs as disseminations and in quartz-sulphide veins that become the predominant style of mineralization downhole.

From 277.50 metres to end of hole the dominant alteration is pervasive potassic alteration and chalcopyrite occurs as disseminations and hosted in quartz-sulphide veins.

K-22-238 was drilled on a section approximately 90 metres to the north of K-22-237. It intersected 167.85 metres grading 0.32% CuEq and is on the same section as K-22-241 that was previously reported at 305.75 metres with 0.29% CuEq. Again, these two holes show grade continuity in the conceptual open pit area. Mineralization in K-22-238 is hosted by diorite with strong pervasive propylitic alteration that is locally overprinted by moderate to strong potassic alteration. Chalcopyrite occurs in quartz-sulphides veins and as

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K-22-246 was drilled in the northern extent of the conceptual open pit area and returned 145.70 metres of 0.20% CuEq including 64.60 metres of 0.28% CuEq with most of this intersection sitting outside of the current conceptual open pit volume. Mineralization is hosted by diorite with moderate pervasive propylitic alteration along with irregular zones of pervasive potassic alteration.

Chalcopyrite mineralization is either disseminated or hosted in quartz-sulphide veins or both. Results from this hole further demonstrate that the mineralized system is present and is potentially open to the north of the current proposed open pit."

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ARIZONA Red Cloud Drill Targets Determined From Data Review

VANCOUVER - Gold Basin Resources Corporation reported on the review and analysis of historical drill data on the Red Cloud deposit claims has highlighted the exciting potential of over 1 kilometre of potential strike extension of the mineralisation of the Stealth deposit at its Gold Basin project in Mohave County, Northern Arizona. Further to the Company's Option Agreement whereby the company took an option to purchase an additional forty (40) unpatented BLM minerals claims that lie primarily in the area situated between the Cyclopic and Stealth deposits.

The Company has been able to further assess historical drill data within these claim areas where the largest concentration of historical drill holes consisting of 39 holes (with an average depth of less than 70 metres) were in an area known as the Red Cloud deposit. Whilst gold intersections at this location were previously known by the Company a new analysis of the data has enabled an accurate geo location of the holes in relation to the major structural features and the Stealth deposit.

The position of the Red Cloud mineralisation correlates with a position along and straddling the Stealth fault, a major structural feature that the Company's recent geophysical interpretation has shown to extend several kilometres on an approximate NW-SE trend. The Stealth deposit lies along this fault and the historical Red Cloud drilling clearly suggests over 1 kilometre of potential strike extension of the oxide gold mineralisation between the two deposits.

The mineralisation intersected



The Company's Maiden Drill program at the Stealth Deposit commenced in January 2022 and covered 350m of strike length, entirely on land where both the surface and mineral rights are owned by the Company. A total of 25 reverse circulations holes, totalling 3,741m have been completed, including 20 vertical and 5 high-angle holes.

historically at Red Cloud starts from near surface and corresponds closely with the form and grade intersected with the Company's drilling at Stealth in its last drill program. These consistencies provide a great deal of optimism for future drilling.

The current gap in drilling apart from 3 holes situated almost midway between the Stealth and Red Cloud deposits is over 600 metres in length and both deposits remain open both to the NW and SE along the Stealth Fault and at depth.

The Company's next phase of drilling is designed to test the drilling data gap between the Stealth and Red Cloud deposits and also extend the drilling SE along the fault zone through Red Cloud .

The Company is also in the process of further evaluating a number of historical drillholes drilled on an East-West line between Cyclopic and Stealth in the northern section of the new claim areas that have also intersected gold mineralisation.

The deposit that sits on the parallel Cyclopic Fault approximately 900 metres east. It is also noteworthy that mineralisation at the PLM deposit about 3.5km SE of Red Cloud also lies on the same trend of the Stealth Fault.

Similar to the situation with Stealth and Red Cloud, no drilling data is available for the large distance interval in between the Red Cloud and PLM deposit areas and provides another compelling future exploration target.

The comapany's address is 1020, 800 West Pender Street, Vancouver, BC, V6C 2V6, Tel: 604-331-5093, mrapsch@goldbasincorp.com

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High-Grade Zone Drilled On Lamefoot South Gold Project

VANCOUVER - Adamera Minerals Corp. announced a highgrade gold intersection assaying 10.51 g/t gold over 4.4 metres on the Lamefoot South gold property in Washington State. Drill hole LS22-02 includes two contiguous assays with 14.31 g/t Au over 1.22 metres and the other 21.24 g/t Au over 1.07 metres. The site is located 540 metres southeast of the former Lamefoot Gold Mine.

Two initial follow up holes were drilled at PL-6, the 2021 discovery drill hole that intersected 4.7 g/t gold over 2.7 metres including 10.7 g/t gold over 0.76 metres. The 2022 drilling was successful in confirming the gold mineralization and determining the orientation of the mineralized zone. Drill hole LS22-02 suggests gold grades and mineralized width increase with depth in a rodshaped zone plunging and widening to the northwest. LS22-01 may be off-axis, defining a tentative southwestern limit.

"I am strongly encouraged by the similarities observed between the past producing Lamefoot Mine ore bodies and our new discovery; this makes sense given their close proximity," said, Mark Kolebaba, President and CEO. "By using our multi-layered data approach and new geological model we have recognized a new unexposed mineralized zone that was clearly missed by past explorers. We have a combination of targeting methods that will make exploration going forward more efficient and increase our drilling success."



Fourth Drill Rig Mobilized To Atlanta Au Mine Project

VANCOUVER - Nevada King Gold Corp. reported on the 2022 Phase II resource expansion and definition drilling at its 5,166 hectare (19.94 square mile), at the Atlanta Gold Mine Project located in the prolific Battle Mountain Trend 264km northeast of Las Vegas, Nevada.

A fourth drill rig has been mobilized to Atlanta to further accelerate the Phase II drilling program. This truck-mounted Schramm 685 reverse circulation (RC) drill has been contracted from Envirotech Drilling LLC out of Winnemucca, Nevada, and is capable of drilling to 460m depth. The rig will be used for both pre-collar and deep RC holes.

The addition of a fourth rig will allow the Company to fasttrack drilling along six parallel benches cut along the west side of the historical Atlanta open pit. The drill pattern tests the



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down-dip extension of the mineralized Atlanta Mine Fault Zone (AMFZ) immediately west of the N-S fence of holes drilled in 2021 at the bottom of the pit which returned highgrade intercepts including 41.2m averaging 3.94 g/t Au, 64m averaging 3.35 g/t Au, and 54.9m averaging 5.34 g/t Au, starting at or near surface. These six parallel rows of new holes will better define the average grade and geometry of highgrade gold mineralization down-dip along the AMFZ and better assess displacements of down-dropped fault blocks across the AMFZ.

To date the Company has completed 74 RC holes totaling 5,934m, 11 RC pre-collar holes totaling 1,349m, and 10 core holes totaling 831m. Seven batches of drill samples, representing 8,323m of combined core and RC have been delivered to American Assay Labs in Reno, Nevada. The Company reported initial assay results in September, including highgrade intervals of 120.4m of 1.49 g/t Au and 57.9m of 1.38 g/t Au, located south and southeast of the Atlanta pit. Further assay results are expected shortly.

Exploration Manager Cal Herron, P.Geo., said, "Our drills are now stepping into the western target zone where scattered historical RC and core holes indicate the presence of highergrade mineralization along the down-dip extension of the AFMZ. Drilling is being conducted methodically with a focus on maximizing chip and core recovery. As winter is approaching, adding a fourth rig will ensure sufficient hole density for a more comprehensive understanding of gold grade and geometry across this high grade target. By increasing the number of deep pre-collar holes, we will have an opportunity to keep our core drill turning well into the winter in order to supply additional metallurgical core samples and provide QAQC checks on deep RC drill results. With the program running smoothly and drill productivity increasing with the addition of another rig, the Atlanta Project is well positioned to meet its 2022 goal of further expanding the mineralized envelope and tying together the numerous bands of high-grade mineralization intersected in historical holes."

TK Greenfield Drone Supported Magnetic Survey Commences

VANCOUVER -BCM Resources Corp (B) has initiated an airborne drone-supported magnetic survey at its Thompson Knolls (TK) greenfield Cu-Au-Ag-Mo project in southwestern Utah. Following the expansion of the TK land position via claim staking the Company began the drone-supported aeromagnetic survey over the newly acquired claims. The detailed survey (line spacing of 100 m) is anticipated to better delineate existing magnetic targets for our focused drilling of the mineralized TK intrusion extensions and potentially generate additional magnetic targets in the area. The survey is expected to be completed by soon.



New Gold Mineralization Area At The North Jumbo

VANCOUVER - Gold Springs Resource Corp. has received assays from the first 2022 drill holes at North Jumbo confirming the possibility for a significant southward extension of the North Jumbo Resource within the Gold Springs project located on the border of Nevada and Utah.

Randall Moore, Executive Vice President of Exploration, said, "We are very excited about the results of the first holes completed in 2022 at North Jumbo as

VANCOUVER - Millrock

Resources Inc. announced that a

significant exploration target of

Ni-Cu-Co-PGE mineralization

has been identified at Millrock's

Nikolai Project. The Nikolai

Project is located within Alaska's

Delta Mining District, approxi-

mately 130 kilometers by road

south of Delta Junction and

approximately 280 kilometers

southeast of Fairbanks. The

Eureka zone consists of dissemi-

nated Ni-Cu-Co-PGE mineraliza-

tion initially discovered by a sub-

sidiary of INCO and further

Beischer, said, "Our exploration

geologists have outlined a block

of mineralized rock that could

President and CEO, Gregory

expanded by Pure Nickel Inc.

Exploration Target Outlined

At Alaska Nikolai Project

they confirm: 1) The discovery of a new gold mineralization area extending 200 meters south of our North Jumbo Resource (holes J-22-004 & J-22-005) in a new structural block that was never drilled before. 2) The extension of the North Jumbo Resource in a parallel western mineral block (J-22-001, J-22-006, and J-22-007). 3) The extension of gold mineralization in the southern portion of the North Jumbo Resource as our model predicted (Hole J-22-008).

likely be converted to a NI43-101

compliant Inferred Resource with

a single drill program estimated

to cost approximately \$2 million.

If successful, Millrock estimates

the resulting Inferred Resource

may comprise a deposit with

approximately 400,000 metric

tonnes of contained nickel metal,

plus copper, cobalt, and platinum

group metals. Other companies

exploring similar deposits have

significantly higher market capi-

talization than Millrock. Estab-

lishing an Inferred Resource at

Nikolai could substantially

increase the value of the Com-

pany. The planned drilling pro-

gram would delineate an Inferred

Resource over a 400-meter-long

strike length."

All these holes have thick sections of gold mineralization and higher-grade intervals than our existing resource. The 2022 drill program is advancing as we hoped, and our resource models are being confirmed and refined by all these positive drill results: 1) At South Jumbo, we have identified a significant extension of that system 50 meters to the north with hole E-22-020 returning 0.74 g/t gold equivalent over 26.0 meters. We have now completed two more holes and a third one is in progress with the objective of extending the resource 200 meters to the north. 2) At North Jumbo, we drilled into a new structural block extending gold mineralization 200 meters south of the North Jumbo Resource with hole J-22-005 returning 1.87 g/t gold equivalent over 29 meters including 3.73 g/t over 9.2 meters, and with hole J-22-004 returning 0.57 g/t gold equivalent over 41.2 meters and 1.88 g/t over 6.1 meters. 3) Within the 5 km Jumbo Trend, we are currently constructing new drill pads to follow up these positive results, with the ambition of continuing to extend the gold mineralization from the North Jumbo Resource (1.8 km long) to the south and the South Jumbo Resource (1.3 km long) to the north."

The Company has now com-

pleted 56 holes totaling 11,990 meters of the planned 21,000meter program. Drilling has targeted the North and South Jumbo resources, the Charlie

Ross target and the Snow target, which saw its first ever drilling. Drills will soon be moving to the Red Light target followed by the Horseshoe Extension.



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2022 NATIONAL MINING HALL OF FAME INDUCTEES

LEADVILLE, CO - The National Mining Hall of Fame and Museum (NMHFM) announced the class of 2022 National Mining Hall of Fame inductees. This year's inductees, selected by the National Mining Hall of Fame's Board of Governors, are being honored for trailblazing a commitment to sustainability concepts, leading the mineral royalty business, building academic mining programs, innovations in coal mine ground

control and longwall mining, and advocating for a strong domestic mining industry to supply the nation's needs for critical minerals.

2022 Hall of Fame Inductees:

Timothy J. Haddon (1948-) was once described by the Mining World News as "a new generation of mining CEO who combines the high-risk, pull-out-all-stops legacy of yesterday's miners with the modern executive's keen awareness that excellent community and government relations are critical to the survival of a mining company." Haddon was a trailblazer in sustainable mining concepts in the 1980s, a mining industry leader into the 1990s, and remains a force in the education of technically proficient, business savvy, ethical, and humanitarian engineers. A 1970 graduate of the Colorado School of Mines (CSM), Haddon first joined Texasgulf Inc. He joined



AMAX Inc. in 1976, eventually becoming President/CEO of AMAX Mineral Investments. In 1989, he was appointed President/CEO of Amax Gold. Haddon moved on to co-found First Dynasty Mines in 1994 and to become President/CEO of Archangel Diamond Corp. from 1997 through 2002. He was Chairman of Anatolia Minerals Development Limited from 1998 until 2011, and Chairman of Alacer Gold Corp. until his retirement in 2013. As Chairman of Thompson Creek Metals Company, Haddon was involved in the sale to Centerra Gold. Haddon is an Emeritus member of CSM's Board of Trustees and former vice-chairman, a staunch proponent of CSM's Humanitarian Engineering program, and was awarded the University's Distinguished Achievement Medal in 1993.

Pierre Lassonde (1947-) is globally recognized as a mining executive, business innovator, analyst, philanthropist, and author. He once said "If you want to make a difference, you have to pick where you want your support to be. I have said a thousand times - the natural resources of a country are not its commodities, but its people. So that is what we invest in." Lassonde earned a B.S. in Electrical Engineering in 1971 from the École Polytechnique de Montréal and an MBA from the University of Utah in 1973. He started his career with Bechtel Engineers and Rio Algom before joining Beutel, Goodman & Company Ltd., a leading money management firm, in 1980. Lassonde and Seymour Schulich formed Franco-Nevada Mining Corp. Ltd. in 1983, the first publicly traded gold royalty company on the Toronto Stock Exchange. They also formed a sister company, Euro-Nevada Corp. Lassonde organized consolidations of Franco-Nevada, Euro-Nevada, and Australia's Normandy Resources and, in 2002, merged those assets with Newmont Mining in a deal that put Newmont among the world's largest mining companies. Lassonde was Newmont's President from 2002 to 2007 and served as Vice-Chairman in 2007. When Newmont spun off Franco-Nevada in 2007, Lassonde and several associates launched the largest mining Initial Public Offering in North American history to fund acquisition of the portfolio and reestablish Franco-Nevada. Today, Franco-Nevada is among the world's largest royalty compa-

nies. In 1990, Lassonde wrote The Gold Book: The Complete Investment Guide to Precious Metals. A great philanthropist, Lassonde and his late wife, Claudette, donated millions of dollars to education and the arts.

Thomas J. O'Neil (1940-) has demonstrated outstanding leadership throughout his career as a mining industry corporate executive, educator, board member, author, and volunteer. He graduated from Lehigh University's Mining Engineering program in 1962. He started his career in Utah at the Kennecott Copper Company, but soon enrolled at The Pennsylvania State University and earned an M.S. in Mining Engineering in 1966. O'Neil's 1967 technical paper "Computer Simulation of Truck Haulage in Open Pit Mines" won him the Robert Peele Award for best paper from the Society for Mining, Metallurgy and Exploration (SME). After completing his M.S., he worked for Ingersoll-Rand before joining the Mining and Geological Engineering (MG&E) Department of the University of Arizona (UofA) as an Instructor in 1968. He also enrolled in its Ph.D. program. He completed his Ph.D. in Mining Engineering and advanced to Associate Professor and MG&E Department Chair in 1972 and Professor in 1978. O'Neil acquired the San Xavier Mine for the UofA as an experimental laboratory for students to gain firsthand mining experience. He also started a graduate program in Mineral Economics to prepare students for the business aspects of mining. He edited the 16th Application of Computers and Operations Research in the Mineral Industry in 1979 and coauthored Mine Investment Analysis in 1984. O'Neil left the UofA in 1981 to join Amoco Metals/Cyprus Minerals and rose quickly through the Cyprus organization. He joined Cleveland-Cliffs Inc. in 1991, eventually becoming President and Chief Operating Officer in 1994. He was inducted into the National Academy of Engineering in 1999 and was elected President of SME in 2003. He retired from Cleveland-Cliffs in 2003.

Syd S. Peng (1939-) is among the world's most renowned experts in ground control and longwall mining. He has educated thousands and authored numerous textbooks and technical papers. Peng and his team have Continued on page 14

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RC Drilling Program Encounters Significant Intercepts

VANCOUVER - Scorpio Gold Corporation reported on Phase II reverse circulation (RC) drilling program at its Goldwedge property located in Manhattan, Nevada.

The planned program consisted of fifty-nine (59) RC drill holes with a total of ten thousand eight hundred meters (10,800m) and three thousand nine hundred and thirty-five (3935) total meterage completed to date.

Drilled holes for this current update, targeted (1) northeastern Mustang Hill mineralization continuity trending in a near EW strike direction, (2) the potential continuity in down dip direction of the Reliance Fault Zone and (3) the southeastern and southwestern mineralization continuity of the 'Main Trend' through the West Pit.

Total of twenty (20) RC drill holes have been completed to date, representing 36% (3935 meters) of the planned RC drill program. However, twelve (12) drill holes, with very high-grade mineralization intercepts at the northwestern section of the

West Pit.

Gold mineralization at NE section (Mustang Hill Area) of the West Pit is predominantly within drusy quartz stockworks and botryoidal 'veins' in Gold Hill Quartzite±Phyllite with association of disseminated Pyrite±Chalcopyrite and sometimes Iron oxide staining. MWRC22-018 and MWRC22-021 drilled at this area intercepted wide zones of mineralization which show similar characteristics as the 'West Pit Main Trend'.

The main mineralization trend within the West Pit is predominantly drusy quartz-adularia veins occurring with coatings on fractured surfaces and dominated with Fe-stained pyrite within the Gold Hill Quartzite ±Phyllite units. MWRC22-018 which was also planned to intercept down dip continuity of the Reliance Fault Zone returned with wide mineralization intercepts (100.0ft@0.036oz/t; 85.0ft@0.037oz/t) within fault structure (shear zone). Generally, this zone consisted of milled rock and gouge material along fault surfaces, and they are typically associated with brecciated and/or tight knife-edge slip surfaces with abundance of argillic clay within the zone. Cross sectional view showing significant intercepts for drill holes within Mustang Hill and Reliance Fault zones.



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OREGON **Technical Report Confirming Economic Feasibility Of Grassy Mountain Project**

WINNEMUCCA. NV -Paramount Gold Nevada Corp. filed its S-K 1300 Technical Report Summary on the Feasibility Study (FS) for its proposed high-grade gold mine, to be located at Grassy Mountain in Malheur County, Oregon. S-K 1300 is a new SEC requirement for US mining projects which allows the disclosure of Mineral Reserves and Resources. The Project is in advanced stages of permitting, with the county permit in hand, and all baseline data reports approved by Oregon State regulators. The Project is in the final stages of the review process with both State and Federal regulators.

"The new Technical Report Summary strengthens the case for our project's superior economic performance despite increases to both the operating and capital costs due to global inflationary pressures," said, Rachel Goldman, CEO. "This is further confirmation of the value of our project in the current environment as we conclude the permitting process."

The proposed underground mine plan envisions a small surface footprint and is expected to generate substantial cash-flows over the life of mine. The mine



plan was developed using a drift and fill underhand mining methodology. A cut-off grade of 0.1 oz/ton (3.43 g/T) gold equivalent was used to define economic stopes. Ore processing from the upper portion of the mine is expected to commence concurrently with the completion of the processing plant and infrastructure.

Following ramp up, the mine is expected to produce an average of 1,300 to 1,400 tons per day, 4 days a week, which would provide enough material for the 750 ton per day mill and an enclosed Carbon in Leach ("CIL") processing plant to operate at full capacity for 7 days a week.

This Study encompasses new vendor quotes reflecting the current inflationary environment. Of utmost importance, this Study incorporates all modifications requested by State and Federal regulators in the completeness reviews of both the Consolidated Permit Application and the Plan of Operation, which have now been finalized.

The highlights of the S-K 1300 Technical Report Summary on the Feasibility Study in the base case scenario are as follows: Initial 8-year mine life producing 362,000 ounces of gold and 425,000 ounces silver; Annual average production of 47,000 ounces of gold and 55,000 ounces of silver; Mill head grade of 0.19 oz/ton (6.5 g/T) gold and 0.28 oz/ton (9.6 g/T) of silver; After-tax IRR of 22.5% and NPV5% of \$114.1M; Life of mine cash costs of \$681 and AISC of \$815 per ounce of gold; Initial CapEx of \$136.2M, including \$13.5M of estimated contingencies, \$36.1M of sustaining CapEx and \$12.4M closure costs for a 750 tpd mine and milling operation; Average gold and silver recoveries of 92.8% and 73.5% respectively; and After-tax payback of 3.3 years.

Edwards Creek Valley Study Indicates Larger Shallow Brine Target Than Previously Thought

VANCOUVER - Ameriwest Lithium Inc. reported that results from a magnetotelluric (MT) geophysical survey at Edwards Creek Valley Property, Nevada shows potential for the Property, located about 120 miles east of Reno, to host a much larger shallow brine target than previously thought.

David Watkinson, President, and CEO, said,, "We are extremely excited by the results of the MT Survey, especially the delineation of a large near surface brine target that appears to be almost 20 square kilometers in size. The Company plans to move forward with permitting to test this shallow target with drilling and will ultimately follow up with testing of the deeper targets in the future."

Edwards Creek consist of 1,243 contiguous claims totaling 22,200 acres. The Company completed six MT lines as part of the MT Survey to cover the claim area. An MT Survey measures electrical resistivity of the subsurface. Low electrical resistivity, which is the same as high electrical conductivity, is known to be caused by the presence of highly saline water within the pores of a host reservoir. The saline water, or brine, may host lithium. For example, brine deposits with lithium are found in Clayton Valley, Nevada, including Albemarle's operating Silver Peak Mine.

Several deeper conductivity zones, shown in red, are also apparent from the MT 2D inversions, and these seem to be zones of conductivity with trends similar in orientation (northwest to southeast) to the shallow zone. Depths of the deeper zones range from 500 to 900 m (1,600 to 3,000 ft) deep and in some instances as deep as 1,400 m (4,600 ft). It is not yet known whether the shallow or deep low-resistivities are related to the presence of geothermal resources (hot springs) in the area.

Note that the presence of low resistivity zones, meaning high conductivity intervals, is likely an indication of highly saline aquifers. However, there is no assurance that there are significant lithium concentrations within the brine or that a commercial resource has been discovered. Only drilling and sampling of the water can prove the existence of a lithium resource.

Any similarity to projects such as Albemarle's Silver Peak Mine does not guarantee exploration success at Edwards Creek as mineral resources or reserves have yet to be delineated on the Property.



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Cadillac Valley South Area Expanded Over 100 Meters

VANCOUVER - NevGold Corp. reported on further assays from the drill program at the Cadillac Valley target area at its Limousine Butte Project, Nevada, located on the southern part of the Carlin Trend. The Company has intercepted more oxide gold at the newly discovered Cadillac Valley South area expanding the mineralized footprint by over 100 meters to the northwest. Further assays from the Company's inaugural 10,000 meter drill program at the Project are expected shortly.

Cadillac Valley South Discovery Has Expanded by Over 100 Meters to the Northwest: CV22-007 intercepted 0.44 g/t oxide Au over 36.6 meters from a drill pad over 650 meters away from CV22-002 (0.83 g/t oxide Au over 126.2 meters) and expands mineralization over 100 meters to the northwest of CV22-006 (0.51 g/t oxide Au over 73.1 meters). The Company has only drilled two holes at the Cadillac Valley South discovery and both holes have shown positive, consistent, oxide gold intercepts with many areas open for infill and delineation drilling. Cadillac Valley South is a high potential resource growth target.

Large, Open, Growing Mineralized Footprint at Cadillac Valley: the mineralized area at Cadillac Valley has further increased and now extends over 1.6 km along strike and over 450 meters laterally. Hole CV22-007 was drilled with reverse circulation ("RC") to target an area between CV22-002 and CV22-006 to infill the open mineralized footprint. There is also another +1.5 km of untested strike length to the southwest of Cadillac Valley South.

Highly Oxidized Mineralization: oxidized mineralization has been seen in all of the holes drilled to date by the Company at Limousine Butte.

The Exploration Upside is large areas of the 67 km2 Limousine Butte Project are untested and there are various identified targets based on the current Company geological model. The mineralized system continues to grow as drilling occurs along strike with large step-out holes.

CEO, Brandon Bonifacio, said, "We are continuing to build a meaningful, near-surface, highgrade oxide gold story at Limousine Butte. The two holes that we have drilled to date at the newly discovered Cadillac Valley South target area have had consistent oxide gold grades over positive intercepts and have further expanded the mineralized footprint at the larger Cadillac Valley target. The drilling at Limousine Butte over the past 12

months has shown higher grade material than many heap-leach projects in production or development in the Western USA. As previously indicated since the announcement of our option agreement on Nutmeg Mountain which closed on July 5, we will continue to aggressively and systematically advance Limousine

Butte to a near-term resource. The remaining assays from our 10,000 meter drill program are expected shortly and will be released over the month."



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2022 Disko-Nuussuaq **Field Program Completed**

LONDON, UK - Bluejay body, is just one of the early Mining plc. reported on the successful completion of the 2022 work programme at its Green Transition and Battery Metals Disko-Nuussuaq (Disko) Project, on behalf of Nikkeli Greenland A/S, the Joint Venture (JV) company created by Bluejay and its JV partner KoBold Metals.

Kurt House, CEO, said, "Our joint exploration campaign on Disko Island this summer was a significant step forward. We've identified many novel targets and significantly updated our exploration hypotheses.

We are looking for what we think could be the most significant nickel and cobalt discoveries in 100 years."

Bo Møller Stensgaard, CEO, commented, "I am excited to report that our first JV exploration campaign with KoBold at Disko-Nuussuaq has been completed successfully. The exploration

results from the extensive work programme carried out this summer. Numerous other target areas at both Disko Island and Nuussuaq Peninsula were surveyed, and the output is currently being analysed. Once received, the full exploration results will be tied into 2023 exploration plans, and we look forward to updating the market on this."



work performed this summer forms the basis of what we hope will become a globally significant exploration find.

We are particularly encouraged by the preliminary results we have received to date. At the Igdlukunguak target area on the north coast of Disko Island, the location of the notable historical discovery of the 28 tons Igdlukunguak massive-sulphide boulder (which assayed 6.9% Ni, 3.7% Cu, 0.6% Co and 2g/t PGM), the SAMSON ground programme showed a 600m encouragingly strong, continuous late time EM anomaly with slow decay. This new SAM-SON identified anomaly is coincidental with historic geophysical anomalies and is proximal to known mineralisation. This exciting early result, which could potentially represent a target for future drilling for a mineralised

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Discovery Of VMS Source Targets/New Spruce Lake Formation Systems

VANCOUVER — Nine Mile Metals Ltd. announced that its 1,000-line Kms UAV Magnetics Drone Survey has discovered three (3) massive VMS source targets, two (2) additional new Spruce Lake formation VMS target systems and a host of additional high priority lens targets. Nine Mile Metals has already filed for the necessary drill permits to include in our Stage 2 drill program, which is to begin in the coming weeks. The 3 VMS source targets will allow Nine Mile to ensure the prudent allocation of funds and to further ensure drilling is conducted at the highest priority targets.

The results from the UAV drone magnetic survey identified three (3) massive VMS source systems, and all are a folded nose trend with a Hinge. In addition, the drone survey has uncovered and defined two (2) new Spruce Lake formation target systems.

Patrick J Cruickshank, MBA, CEO & Director, said, "It is just incredible that this technology has filtered and removed a lot of the conductive noise in previous magnetic survey images. The similarities to the Brunswick #12 is spectacular; size, surface footprint, Hinge and plunging strong magnetic body extension, but to uncover (2) additional separate Spruce Lake Formation Contact Systems is outstanding. The definition of the images also shows potential footprints of additional Lenses in the magnetic low area of the Boucher Brook Sediments. This exploration model continues to evolve and develop into something quite exciting. We have confirmed none of these Hinge targets have been previously drilled and look forward to testing these exceptional targets in the upcoming drill program later this month. All Hinge targets in the BMC are High Priority Targets and possible sources for our Lens. We will be updating with UAV 3D subsurface modeling geophysics and drill program targeting."

"The work by EarthEx

Geophysical Solutions has been exceptional, the results revealing many high priority "untested" targets in multiple systems, the Boucher Brook and the Spruce Lake Formation respectively. With (3) Hinges now identified, numerous subtle, magnetic highs defined, (possible additional Lens') we expect to discover additional mineralization within the Boucher Brook system and the California Lake Formation, the most prolific host formation to the VMS event in the BMC," said, Gary Lohman, P. Geo., Director and V.P. Exploration.

Hinge target A is located 400m – 500m east of the VMS lens. This fits the traditional Hinge VMS model of the Bathurst Mining Camp ("BMC"), the best example being the Giant Brunswick #12. This target also has a plunging magnetic signature due north similar to the Brunswick #12 Extension.

Additional similarities include a 400-500m surface footprint with a plunging extension within a folded environment. The total length is also similar (approximately 1km). F

Hinge target B, located southwest of the VMS lens, is a second folded nose and plunging magnetic body to the east towards the VMS lens. Host rocks at Hinge B include both iron formation and felsic volcanics, both characteristic units associated with the BMC VMS model including the Brunswick #12. Hinge target C is located north of Hinge B, the magnetics revealing a folded structure with strong magnetics on the east limb.

In addition to the Hinge targets, the drone survey also identified five (5) very subtle magnetic highs (1 - 5) within a magnetic low identical to the magnetic signature of the VMS lens. These targets all lie within the same Boucher Brook sediments that host the discovered Lens.

Results of the borehole electromagnetic ("BHEM") survey have also been received and integrated, the results confirming the presence of a strong magnetic body east of the VMS lens, on the boundary of the survey. The elevated magnetics associated with Hinge B target were not detected since they are well outside of the 200-meter search radius of the drill hole.

From our previous Stage 1 drill program, DDH #7, was a very important technical success. The purpose of the drill hole was to intersect the Rhyolite Cap and confirm a number of VMS model characteristics.

For the BMC model, there must be massive sulphides in the cap which was confirmed in the drill core. The presence of copper stringers in the sediments below the VMS lens, along with black chlorite healing fractures in BHEM drill hole #1 and sericitized felsic volcanics confirms that the Footwall Feeder System - is present.



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Tailings Storage Facility Designed To Protect Fishery

VANCOUVER - Northern Dynasty Minerals Ltd. and the Pebble Partnership (PLP) highlight several design features that enhance the safety of the tailings storage facility (TSF) for the Proposed Pebble Project to counter negative generalizations repeatedly put forward by project opponents. "The failure of a tailings storage facility around the world is rare. When one does occur, however, failure is often caused by the accumulation of too much water," said Ron Thiessen, President and CEO.

"The tailings storage and management plan for Pebble includes an investment of approximately \$500 million in modern water treatment facilities to allow the water to be treated and safely released into the environment, meeting all required standards, instead of accumulated.

Because of this and other design features, such as constructing the embankments on bedrock and with flatter slopes than is typical in the industry, the Army Corps of Engineers (USACE) in the 2020 Environmental Impact Statement said that they could not conceive of how a failure could occur. The fact is that Alaska has a very rigorous dam permitting process which will ensure that the facility will be safe before it is built."

"We invested a further \$150 million in studies of the climate and potential for earthquakes in the area, conducted by a team of industry experts to ensure that the TSF would be safe. Our studies and the research and reports out of the United States Geological Survey (USGS) demonstrate that Pebble isn't a high seismicity area, as most earthquakes in this region of Alaska are offshore and are almost abated by the time they reach the north shore of Lake Iliamna/Pebble.

Still our approach to seismicity (ground movement factor) was to ensure the facilities can withstand the likely earthquake events that might impact SW Alaska, including a repeat of the 1964 Valdez 9.2 M earthquake. This was the largest event ever recorded in North America and the second largest ever. More than 30 alternative tailings sites were evaluated before the final site was selected to minimize the tailings footprint on wetlands. In fact, our project as proposed would impact less than one mile of stream for every 1,000 miles of streams feeding into Bristol Bay.

The lack of fish living near the proposed mine site does not, however, diminish our commitment to designing and operating a safe mine that can coexist with the Bristol Bay fishery."

Drilling Demonstrates Consistency Of Mineralization At Cactus East

CASA GRANDE, AZ -Arizona Sonoran Copper Company Inc. reported on the Cactus Mine Project infill drilling program. This new set of assays continue to support the previously defined geological interpretations with thick and high-grade intercepts outlined within the underground Cactus East orebody, immediately to the northeast of the historic Sacaton pit. Infill drilling is targeting 125 ft (38 m) spacing with the goal of generating measured mineral resources.

Highlights include: Thick and high-grade intercepts are consistent with previous wider spaced drilling intercepts and resource model interpretation; ECE-067: 148.5 ft (45.3 m) @ 2.57% TCu, 2.53% Cu TSol (enriched), including 10 ft (3.0 m) @ 10.53% TCu, 10.13% Cu TSol; ECE-085: 268.0 ft (81.7 m) @ 1.51% TCu, 1.38% Cu TSol (enriched), including 203.0 ft (61.9 m) @ 1.74% TCu, 1.64% Cu TSol, and 383.3 ft (116.9 m) @ 0.51% TCu (primary); ECE-082: 226.6 ft (69.1 m) @ 1.39% TCu, 1.26% Cu TSol (enriched), including 117.7 ft (35.9 m) @ 1.88% TCu, 1.73% Cu TSol, and 379.0 ft (115.5 m) @ 0.68% TCu (primary); ECE-066: 244.8 ft (74.6 m) @ 1.26% TCu, 1.14% Cu TSol (enriched), including 142.4 ft (43.4 m) @ 1.63% TCu, 1.55% Cu TSol (oxide); ECE-



062: 173.0 ft (52.7m) @ 1.60% TCu, 1.49% Cu TSol (oxide), including 100.6 ft (30.7 m) @ 2.28% TCu, 2.15% Cu TSol, and 258.0 ft (78.6 m) @ 1.01% TCu, 0.91% Cu TSol (enriched).

Ian McMullan, Chief Operating Officer, said, "Cactus East assay results continue to build upon and support the previously released assays. The high porphyry copper grades with good thicknesses underpin future mine planning and mine design work for a targeted underground bulk mining scenario at Cactus East.

As previously mentioned, drills are currently focusing on Parks/Salyer to build out the known mineralization and will return later in the year to complete the measured category drilling."

The total infill program inclusive of Cactus East and Cactus West (60,000 ft | 18,290 m) is now over halfway complete. A total of 16 HQ drill holes in the heart of the Cactus East orebody were drilled for a total of 31,817.7 ft (9,700 m). Assays are pending on 2 holes and 5 holes remain to be drilled (10,000 ft | 3,048 m). At Cactus West, 25 holes (16,000 ft | 1877 m) have been designed to infill the upper portions of the planned open pit in addition to what was previously infill drilled on the southern side of the pit.

An expansionary drill program (12,000 ft | 3,660 m) is planned to follow the Cactus infill program. Due to the successful drilling results at Parks/ Salyer (similar grades with greater thicknesses over a greater area), the two available drill rigs have been prioritized to that discovery. Drilling will resume on Cactus later in the year.

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NATIONAL MINING HALL OF FAME INDUCTEES . . . CONTINUED FROM PAGE 4

introduced numerous new ground control technologies, many of which have become standards of the industry. Born in Taiwan, Peng earned a Mining Engineering diploma from the National Taipei University of Technology before earning an M.S. at the South Dakota School of Mines and Technology and a Ph.D. at Stanford University. He joined the U.S. Bureau of Mines, Twin Cities Research Center in 1970. Upon moving to West Virginia Univer-sity (WVU) in 1974, Peng began his research on longwall equipment. He Chaired the Mining Engineering Department from 1978 to 2006. Peng recognized that coal operators did not always know what ground control technologies were available, so he organized the International Conference on Ground Control in Mining in 1981 for industry stakeholders to exchange information through the Society for Mining, Metallurgy and Exploration (SME). In 1985, he established the Longwall Mining and Ground Control Research Center at WVU. Surface subsidence prompted Peng and Y. Yuo to develop the Comprehensive and Integrated Subsidence Prediction Model in 1989 which is still in use today. In 1998, the State of West Virginia appointed him Director of the Coal and Energy Research Bureau. He was inducted into the National Academy of Engineering in 2007. Peng retired from WVU in 2013. He and his wife, Felicia, have endowed various awards, professorships, and scholarships.

Sheldon P. Wimpfen (1913-2003) was a tireless advocate for a strong domestic mining industry capable of supplying our nation's need for critical and strategic minerals. Wimpfen graduated in Mining Engineering from the Texas College of Mines and Metallurgy in 1934 and embarked

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on a colorful, globe-trotting career. Wimpfen honed his practical skills at mines in the U.S. before joining mines in the Philippines in 1937. With the threat of Japanese invasion, he returned to the U.S. and became Assistant Superintendent of the Benton Mine in Oregon before heading to the Potosi and Pulacayo tin mines in Bolivia. He then served in the Pacific Theater as a Marine. After the war, Wimpfen became Assistant Editor of Mining and Metallurgy and subsequently Editor of the Mining Congress Journal. The post-war need for uranium led him to the Atomic Energy Commission (AEC) as Assistant Director of the Division of Raw Materials. Wimpfen critically examined the uranium procurement program, recommended how to improve and implement it, and received full implementation authority. The AEC's procurement program helped to set off a uranium rush that resulted in about 800 uranium mines operating on the Colorado Plateau by 1955, spring-boarding the AEC's ability to provide atomic energy for both defense needs and peaceful purposes. After the AEC announced that it would no longer purchase yellowcake, Wimpfen left to become Vice President of Reynolds Mining Corp. in 1959, and President and General Manager of Southern Peru Copper Corp. in 1967. From 1970 to 1980, he was Assistant Director and later Chief Mining Engineer of the U.S. Bureau of Mines. Resuming his literary pursuits in retirement, Wimpfen wrote a memoir, Tin Peaks and Silver Streams, and two historical fiction novels.

2022 Prazen Living Legend of Mining Award

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K through 12 students and teachers understand the importance of mining and mineral resources in everyday life. By helping students learn more about how they use minerals, where those minerals come from and the diverse people who work to obtain those minerals, the program hopes to encourage more young people to understand how mining supports their lives and to see themselves as part of the mineral industry. The program does this by providing standards-based virtual and in-person classroom presentations to K-12 students across the state of Arizona, hosting the "Mineral Resource Discovery Workshop" for 6-12 students at Flandrau Planetarium and Science Center, producing the "Minerals Make It" video series on YouTube, putting together Google Earth based virtual tours of mines in Arizona, maintaining the outreach website, and by creating virtual activities for students wherever they may be. The education outreach program also works with the recruitment outreach program to guide students on their journey from user of mineral resources to provider of those resources. The Mining Foundation of the Southwest provides the funding for the program's Education Outreach Coordinator. The program reached over 5,000 people in 2021 which included 3,700 views on YouTube, virtual presentations to 542 students, and inperson presentations to 836 students.

Regarding this year's honorees, National Mining Hall of Fame and Museum Board of Directors' Chair David Travis stated, "We are proud and honored to be inducting such a worthy class of mining legends. I would also like to thank our Board of Governors who are dedicated to providing a great list of nominees every year."

Since 1987, the National Mining Hall of Fame and Museum, located in Leadville, CO has been a national monument to the men and women who champion the discovery, development, and processing of our nation's natural resources, as well as a national institution educating the public about the undeniable relationship of mining to our daily lives.

The 35th annual Induction Banquet will be held the evening of October 29, 2022 at the Denver Marriott South at Park Meadows in Lone Tree, CO.

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