

Chamber of Mines of Eastern BC Hours Monday - Friday from 10am – 3pm

Minerals South 2022!! One month away!!

We are getting very excited for our Minerals South 2022 biannual conference and trade show in Nelson from November 1st – 4th, 2022 at the Prestige Lakeside Resort in Nelson.

We are looking forward to a great short course/workshop on critical and strategic minerals followed by our trade show, lots of technical talks, education room, banquet, hospitality night and fieldtrip to the Kenville Mine in Blewett. (BC's first underground lode gold mine).

There is still room left for technical talks and trade show booths.

All the information about the event, the registration form and the sponsorship opportunities list are on the next page. If someone from your company would like to give a technical talk about your project or a topic of your choice, please contact us at the Chamber.

250-352-5242 or email us at cmebc1@gmail.com

Minerals South 2022!!



Minerals South 2022 Conference and Trade Show at the Prestige Lakeside Resort in Nelson, BC.

Tuesday November 1st – Friday November 4th, 2022

Tuesday November 1st – Short Course on Critical and Strategic Minerals and Evening Icebreaker

Wednesday November 2nd and Thursday November 3rd – Technical Sessions and Trade Show

Wednesday November 2nd – Evening Banquet

Friday November 4th – Tour of the Kenville Mine in Blewett, BC.

Please download, fill out the registration form and email or mail it to us at <u>cmebc1@gmail.com</u> – 215 Hall St. Nelson, BC. V1L5X4

MINERALS SOUTH 2022 REGISTRATION FORM

Payment can be made with credit card on our website <u>www.cmebc.com</u> by using the donate button on the left-hand side or you can send a cheque to the Chamber at the above address along with your registration form.

SPONSORSHIP OPPORTUNITIES LIST

There are **sponsorship** opportunities as well. When a company sponsors something they will have their logo displayed on posters and on other screens around the conference so we require a high definition copy of the logo for when it appears on the big screen. Sponsors logos will also appear in the program as well as our monthly Motherlode Newsletter. Any profits that may be realized from the conference will go towards keeping the Chamber of Mines of Eastern BC open to the public five days a week advocating for mining and doing public outreach. We are a volunteer, not for profit organization, so help if you can.

For more information call the Chamber at 250-352-5242 or <u>cmebc1@gmail.com</u>.

If you want to be there or to be involved in some way, don't wait for us to call you.



September 14th, 2022

Braveheart Completes Ground Control Management Plan for Bull River Mine

Braveheart Resources Inc. announced today that an up-dated Ground Control Management Plan ("GCMP") for its Bull River Mine ("BRM") project has been completed. The GCMP was prepared by North Rock Mining Solutions Inc., reviewed and certified by J. Roland Tosney, P.Eng.

This is an important milestone for the Company as the GCMP underpins the overall mine design. Underground mining activities at the BRM are regulated through the BC Mines Act and the related 2021 Health Safety and Reclamation Code for Mines in BC ("HSRC"). This requires specific geotechnical controls to be maintained to achieve compliance and ensure a safe working environment. The GCMP is an essential component of the Joint Application Information Requirements for the Mines Act and Environmental Management Act Permit application, currently under review by the Ministry of Energy, Mines and Low Carbon Innovation ("EMLI") and the Ministry of Environment and Climate Change Strategy ("ENV").

The BRM is fully developed and dewatered to a vertical depth of 350 metres with 21,000 metres of underground developments in terms of ramps, raises and sill drifting. Underground workings were developed between 1996 and 2010. In Phase One of the restart of the BRM, the Company plans to process a 180,000-tonne stockpile of mineralized material, already on surface, consisting of copper, gold and silver. In Phase Two of the restart, the Company plans to resume development and mining activities in the underground at a rate of 700 tonnes per day. Approximately 75% of the current underground Resource is accessible from current workings with seven lateral or sill drifts already established in the mineralized structures. A restart of the underground operations will require rehabilitation of some of the existing development. The Company currently plans to use a combination of over-hand cut and fill and longhole stoping as the primary extraction methods. Underground voids will be backfilled with a combination of unconsolidated waste rock and paste and/or cemented backfill. The GCMP will provide guidance to mine engineers and geologists in the design of underground workings and provide management and supervision with a plan for monitoring quality control of ground support.



https://braveheartresources.com/



September 26th, 2022

Rokmaster extends Main Zone 925 m to the southeast and 290 m to the northwest at Revel Ridge

Rokmaster Resources Corp. is pleased to announce the successful extension of the Revel Ridge Main Zone ("RRMZ") a further 925 m to the southeast and 290 m to the northwest, in addition to initial assay results of the ongoing summer 2022 diamond drill program at the Revel Ridge Project ("Revel Ridge" or "the Project").

John Mirko, President and CEO commented, "To be consistently hitting good grade intersections on 120 metre step-outs is significant in any deposit class. After almost two years of near continuous drilling totalling 40,835 metres in 105 broadly spaced drillholes, it is astounding that we have yet to define the limits of the RRMZ.

We are excited by the successful intersection of the RRMZ 925 m to the southeast, and 290 m to the northwest, further expanding our potential mineralized sections. The drill data suggests the full potential Revel Ridge remains to be tested, waiting only for that next series of drillholes. Together with the outstanding efforts of our metallurgical teams in obtaining 96.8% gold recoveries from Revel Ridge ores (see Press Release dated September 7, 2022), we have lots to look forward to.

In 2023, we plan to update our mineral resource estimate with the drillhole data from our ongoing summer program and spring 2022 drill programs. The Project is already British Columbia's largest undeveloped highgrade underground gold deposit situated proximal to ideal infrastructure. We will continue our efforts and achievements of constantly improving the many dynamics on the pathway towards production."

Initial Assay Results of Summer Diamond Drill Program

The ongoing summer 2022 program drillholes targeted the RRMZ down-dip of certain drillholes completed during the surface drilling campaign in 2021. A total of seven drillholes have been collared from two drill pads approximately 400 m and 550 m to the northwest of the 830 Portal (Figure 1- Plan Map). Drillholes RR22-99 to RR22-105 cut RRMZ mineralization on approximately 120 m centres. These broad and successful step outs were designed to rapidly expand the mineralized volume outside of the mineral resource estimate block model (Figure 2- Long Section). Assay results for drillholes currently received from the laboratory are tabulated below:

| DDH | From (m) | To (m) Le | ength (m) | ¹ AuEq g/t ³ | ³ Au g/t | : Ag g/t | Pb % Zr | n % Zone² |
|--------------|----------|---|-----------|------------------------------------|----------|-----------|-----------|-----------------|
| RR22-99 | 165.30 | 170.00 | 4.70 | 2.29 | 0.01 | 15.42 | 0.71 5 | 06 RRYZ |
| | | | | | | | | |
| RR22-99 | 254.85 | 259.20 | 4.35 | 3.69 | 2.57 | 17.11 | 0.66 1 | 94 RRMZ |
| including | 258.20 | 259.20 | 1.00 | 14.34 | 10.59 | 63.00 | 2.40 6 | 12 RRMZ |
| | | | | | | | | |
| DDH From (m) | | To (m) Length (m) ¹ AuEq g/t ³ Au g/t Ag g/t Pb % Zn % Zone | | | | | n % Zone² | |
| RR22-100 | 300.20 | 304.65 | 4.45 | 0.41 | 0.01 | 5.32 | 0.06 0 | 87 RRYZ |
| | | | | | | | | |
| RR22-100 | 498.30 | 499.10 | 0.80 | 3.72 | 0.15 | 89.00 | 4.75 2 | 43 RRMZ |
| | | | | | | | | |
| DDH From (m) | | To (m) Length (m) ¹ AuEq g/t ³ Au g/t Ag g/t Pb % Zn % Zo | | | | ۲ % Zone² | | |
| RR22-101 | 348.50 | 352.70 | 4.20 | 3.41 | 2.22 | 10.38 | 0.34 2 | 69 RRMZ |
| including | 348.50 | 350.50 | 2.00 | 6.73 | 4.30 | 18.50 | 0.65 5 | .63 RRMZ |

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Footnote 1. Reported widths of mineralization are drill hole intervals or core lengths recovered. Insufficient data exists to permit the calculation of true width of the reported mineralized intervals. Footnote 2. Mineralized Zone abbreviations: RRMZ: Revel Ridge Main Zone, RRYZ: Revel Ridge Yellowjacket Zone.

Footnote 3. AuEq calculations use: Metal prices of Au US\$1,625/oz, Ag US\$22/oz, Pb US\$0.95/lb, Zn US\$1.20/lb; RRMZ process recoveries of Au 92%, Ag 88%, Pb 80%, Zn 72%; RRMZ AuEq = Au g/t + (Ag g/t x 0.012) + (Pb% x 0.347) + (Zn% x 0.353); RRYZ process recoveries of Au 91%, Ag 80%, Pb 74%, Zn 75%; RRYZ AuEq = Au g/t + (Ag g/t x 0.011) + (Pb% x 0.325) + (Zn% x 0.372).

Drillholes RR22-99 and RR22-101 achieved strong RRMZ intersections as the deformation zone dilated at a favourable limestone-quartzite contact (<u>Figure 3 – Cross Section</u>). Each drillhole also encountered Revel Ridge Yellowjacket Zone ("RRYZ") approximately 30 m in the hanging wall to the RRMZ. This is a significant expansion of the RRYZ, with a distance of ~115 m between drillholes RR21-50 and RR22-99. Assay results for RR22-102a to RR22-105 are pending and will be reported when received.

The first three shallow drillholes of the summer 2022 drill program were committed to testing the Zinc Creek Showing. Drillholes RR22-96, RR22-97, and RR22-98 all intersected metre-scale deformation zones with sericite alteration hosting cm-scale bands of massive sulphide mineralization. The strongest of the three drillholes, RR22-98 cored the RRMZ, 925 m along strike from previous drillholes. RR22-98 cut narrow bands of polymetallic sulphides hosted within sericite and calcareous phyllites.

| DDH | From (m) To (m) Length (m) ² AuEq g/t ⁴ Au g/t Ag g/t Pb % Zn % Zone ³ |
|-----|---|
| | |

RR22-98 44.70 45.20 **0.50 1.30 0.89** 7.00 0.33 0.59 RRMZ

See notes on Footnotes 1, 2 and 3 in Table above.

Historic surface drilling, circa 1991, clearly indicates that the southeastern expression of weaker mineralization within the RRMZ often expands and forms significant mineralized volumes down the plane of the RRMZ. Changes in grade and width of the RRMZ in the southeast may be a function of:

- 1. The RRMZ cutting incompetent calcareous phyllites, weak hosts to mineralization near surface.
- 2. The RRMZ progressively cutting more competent, rock units and stronger hosts to mineralization at depth.

The significance of DDH RR22-98 is not in the scale of the mineralized interval that it cuts but rather in the observation that the drillhole successfully identifies the very persistent RRMZ almost 1 km to the southeast of previous drilling. With knowledge of the position of the RRMZ, Rokmaster's technical team will seek to define the location of permissive host lithologies, stronger dilatant points and stronger mineralized intervals within this unique gold enriched deformation zone.

Figures

All technical data referenced in this release through hyperlinked figures are available at rokmaster.com/projects/revel-ridge/maps-and-figures/, or directly here:

Figure 1- Plan Map Figure 2- Long Section Figure 3 – Cross Section

Quality Assurance/Quality Control. Dr. Jim Oliver, P. Geo. supervised all aspects of the drilling and sampling undertaken in the 2021 and 2022 underground and surface diamond drill programs. All drill core assay samples have been collected from ½ NQ core, sawn with a diamond saw with the sample intervals marked by technical personnel. A full QAQC program using blanks, standards and duplicates was utilized to monitor analytical accuracy and precision. QAQC samples are submitted approximately at every 20th sample, or a minimum of 5% of the total sample stream. Appropriate standards are used to provide quality control information on high grade and medium to low grade samples. A limestone

blank is inserted after select samples that have macroscale characteristics of higher-grade mineralization. Duplicate samples are repeat analysis of designated primary sample pulps. The samples were sealed on site and shipped to MSALABS in Langley, British Columbia. MSALABS is an ISO 17025

(Testing and Calibration Laboratory) and an ISO 9001 (Quality Management System) Certified Laboratory. Drill core samples were crushed to 2 mm and a 500-gram sub sample was pulverized with 85% of the sample passing 75 microns. The sub-sample was analysed using a combination of MSALABS FAS211 for Au and ICP–240 (4 acid digestion) for silver, base metals and other trace elements. FAS211 for gold is an ore grade fire assay of a 50 g pulp with an AAS finish with a detection range between 0.01 and 100 ppm). ICP-240 utilizes four acid digestion and provides ore grade analytical data on silver, base metals and 26 other elements.

https://rokmaster.com/







Eagle Plains Provides Update on Vulcan Drilling Program

Eagle Plains Resources Ltd. reports that the first hole of the 2022 drilling program (VU22003) on Eagle Plains' 100% owned Vulcan project has been successfully completed to a depth of 630m (2067') (see EPL news release August 25th, 2022). Drill-hole VU22003 reported minor disseminated sphalerite (zinc) mineralization near the top of the hole and intersected a narrow (<10cm) band of strataform sulphide (pyrrhotite) mineralization approximately 20m below the Lower Middle Contact ("LMC") in rocks of the Aldridge Formation. Preliminary results obtained using a portable XRF spectrometer indicate elevated zinc values for the interval. Geologists interpret this mineralization to represent the Sullivan time horizon and are encouraged with the results. A down-hole geophysical survey is planned for the area surrounding the hole to test for thickening and possible enrichment of the mineralized horizon proximal to the hole.

Drill-hole VU22004 is now underway at a drill-pad located approximately 8km to the NE, testing the same stratigraphic horizon. To date, drilling has progressed to approximately 150m with a total depth of 425m planned. Detailed results will be released once they have been received, compiled and interpreted.

View Vulcan Targeting Video here

https://www.eagleplains.com/



September 2022

Chamber report by Brad Gretchev:

Besides organizing and getting ready for Minerals South 2022, the Chamber has remained busy with the steady flow of public visitors and by prospectors.

We are looking forward to hosting multiple classes from the local schools in October and November to teach them about the importance of minerals and exploration.

We are always happy to help identify your minerals and help you to do research.





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Joe Kennedy, M.Sc., P.Ag. Environmental Project Manager, Mining Kelowna, BC | (250) 317-2935 Joe.Kennedy@stantec.com

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August 31st, 2022

Taranis Submits Five Year Exploration Permit Application to Explore Deep Targets at Thor, Acquires Mineral Tenure, and Finds "New Zone" Monometallic Occurrence

Taranis Resources Inc. is pleased to update shareholders of activities on its 100%-owned "Thor" Silver-Zinc-Gold-Lead-Copper polymetallic project in Southeastern British Columbia.

Submission of Multi-Year, Area Based Exploration Permit

Taranis has submitted a five-year, area-based exploration plan (an "MYAB") to the British Columbia Ministry of Energy, Mines and Low Carbon Innovation ("EMLI"). Pursuant to an announcement made by EMLI in mid-August 2022, EMLI will be transitioning to a batch system of processing MYAB applications, which will only screen applications at the start of every month.

The exploration program includes exploration targets peripheral to the main Thor deposit; namely the Elephant, Thunder Zone, Megagossan, Western Deeps and Broadview South Targets. The targets have been derived from the airborne magnetotelluric/magnetic airborne survey that was completed in early May 2022, and recent geological field investigations.

Acquisition of Additional Mineral Tenure

Taranis has acquired an additional target adjoining the northeast part of the existing (3,153 Ha) Thor property where a prominent magnetic high feature occurs with a coincident electromagnetic anomaly. Such geophysical features are frequently related to massive sulphide occurrences, and follow-up work will be conducted in the future.

"New Zone" Exposure

Taranis has successfully located an area prospected by Columbia Metals in the early 1970's that exposed high-grade gold and minor base metal mineralization and which was referred to as the "New Zone". This area had gold values (historic) of up to 0.30 Oz/ton that have not been verified by Taranis, although the mineralization style appears to be consistent with the nearby "SIF" zone. The "New Zone" is exposed 376 m south-southeast of the high-grade SIF zone, and is also dominated by quartz, extensive vugging and minor pyrite. The "New Zone" appears to be another occurrence of the monometallic type of Mineral Resource at Thor, unlike the polymetallic material that constitutes the entire NI 43-101 Mineral Resource (2013). In 2018, Taranis took a 600-tonne sample of the monometallic SIF zone that returned an average grade of 6.5 g/t gold (see Taranis News Release dated November 20, 2018).

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GRIZZLY DISCOVERIES INC.



GRIZZLY COMMENCES DRILL TESTING AT ITS BRITISH COLUMBIA PRECIOUS AND BATTERY METALS PROJECTS

Grizzly Discoveries Inc. is pleased to announce that Full Force Diamond Drilling Ltd. (Full Force) of Peachland, British Columbia (BC) has arrived at the Greenwood Project and has commenced drilling (Figure 1). The Company is starting its drill testing at the copper-gold Dayton Skarn/Porphyry Prospect. Once completed, the drill will move to the Motherlode Target area to test a number of precious-base metal targets. The Company is currently in the process of obtaining the required permits for drilling at the Robocop Project near Grasmere, BC.

The Company is continuing with surface exploration in the Greenwood area while drilling progresses at the Greenwood Project and moves on to the Robocop Project. Crews from APEX Geoscience Ltd. commenced soil and rock sampling in June and have conducted sampling at targets in the Rock Creek area, the Midway area, the Overlander-Attwood area and the Sappho area to date. Additional groundwork including sampling is planned for the Motherlode area and the Copper Mountain area. The groundwork will comprise one or more of prospecting, rock sampling, soil sampling and ground geophysical surveys.

2022 Exploration Conducted to Date

Grizzly has collected a total of approximately 308 soil samples in the Rock Creek area in the vicinity of the Nick nickel-cobalt prospect and in the area of the Ket 28 gold prospect.

- Grizzly has collected approximately 100 rock samples in the same area. All samples have been sent to ALS Global in Vancouver for precious metal and multi-element analysis.
- Additional prospecting and rock sampling has been conducted at the Midway, Overlander and Sappho prospect areas. The Midway area is being targeted for copper-gold skarn and epithermal gold. The Overlander area is being targeted for mesothermal to epithermal gold-silver (Figure 2).
- The Sappho area is being targeted for copper-gold skarn and porphyry type targets associated with an alkalic intrusion and several diorite intrusions south of Greenwood near the US border.
- At least three new showings of copper oxide/sulphide mineralization have been found during the 2022 program at the Sappho Target (Figure 3).

- Previous surface sampling and drilling by Grizzly at the Sappho area has yielded significant anomalous copper, gold, silver along with platinum and palladium.
- Numerous rock grab samples have yielded greater than 1% copper, 1 gram per tonne (g/t) gold, 1 g/t platinum and 1 g/t palladium (Figure 3).
- Historical drilling has yielded up to 0.31% Cu, 0.75 g/t Au, 0.34 g/t Pt, 0.39 g/t Pd and 6.57 g/t Ag over 6.5 m core length in skarn at Sappho.
- Grizzly has collected more than 200 soil samples and 100 rock grab samples from the Sappho area during 2022. Another 50 rock grab samples have been collected at the Midway and Overlander areas.



Figure 1: Drill being set up at the Dayton Target at hole 22DA015.



Dayton and Motherlode Targets

Grizzly has commenced drilling at Greenwood at the Dayton copper-gold-silver (Cu-Au-Ag) porphyry target near Rock Creek. Once drilling is completed at the Dayton Target, the drill will move to the Motherlode area to test a number of skarn related targets in and around the historical Motherlode Pit area 3 km northwest of the town of Greenwood. All of the drill targets are road or trail accessible and located close to excellent infrastructure. Once permits are received for drilling at the Robocop Project either a second drill rig will be engaged to complete the Robocop drilling or the rig engaged for the Greenwood drill program will be shifted to the Robocop Project.

The Dayton IP2 target (an induced polarization chargeability anomaly) was tested by Grizzly with a single hole in 2011 and intersected potassic altered volcanics and intrusives with a near surface intersection of 0.15% Cu and 0.43 g/t Au (or 0.4% CuEq*) over 51 m core length starting at a depth of 3m. Grizzly is planning 3 to 5 holes in and around this target following the IP target to depth.

The Motherlode skarn targets are comprised of Cu-Au-Ag +/- lead-zinc (Pb-Zn) in proximity to the historical Motherlode Mine, which produced significant amounts of Cu, Au and Ag. Prior drilling by Grizzly intersected up 17.15 g/t Au, 41.7 g/t Ag, along with, 0.56% Pb and 1.51% Zn over 1.5 m core length at one of the skarn targets north of the Motherlode Pit.



Figure 2: Epithermal quartz veins and sulphides from the Overlander Target.



Figure 3: Cu mineralization at the Sappho Target.

Brian Testo, President and CEO of Grizzly, stated, "We look forward to a successful 2022 drill program after completing a significant financing that will allow us to complete our planned drill programs at the Robocop Battery Metals Project and at our Greenwood Precious Metals-Battery Metals Project. Grizzly has significant potential for new copper-cobalt and copper-precious metal discoveries during a time when demand for battery metals is surging due to the shift to renewable energy sources and electric vehicles. We are looking forward to the results of the initial Phase 1 surface exploration program over the next couple of months to isolate drill targets in preparation for a Phase 2 - 2022 drill testing. The geology of the Robocop and Greenwood areas has the potential to yield world-class discoveries."

https://grizzlydiscoveries.com/





Critical Minerals and Metals

Summary

Tailings and waste rock from many of British Columbia's earlier mining operations may host economic concentrations of critical minerals and metals. This project would assess the physical, mineralogical and geochemical properties of select historic mine tailings and waste rock across the province, providing new data which can support updated interpretations of the resource and improve their environmental and social legacies. The project could conduct laboratory- and field-scale studies, compile historical data, foster collaboration and expertise, engage the broader minerals industry, and attract interest and support from academia, communities, Indigenous groups, governments and industry.

The Need

Critical minerals and metals are essential to Canada's economic security and are the foundation upon which modern technology and a transition to a net-zero economy are built. The ability for these resources to be sourced from geopolitically safe countries can also help mitigate the risk of global supply chain disruption.

The potential of tailings and waste rock from producing or past-producing mines to provide an economic resource would provide Canada with additional critical minerals or metals. For any past-producing mine that proves viable, it would also turn mining by-products from an environmental liability into a valuable asset.

https://www.geosciencebc.com/



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