

Chamber of Mines of Eastern BC Hours Monday, Wednesday and Friday from 10am – 3pm



We had a great time taking LVR High School's Grade 11 Earth Science class out into the field to teach them about the history of mining in the Kootenays and how to pan for gold.

The class also came to the Chamber for a presentation on the importance of mining and mineral exploration in our everyday lives.

They were a great group of students that were very engaged and asked many good questions.

We encourage all educators to bring in their students to the Chamber. To setup a time please call the Chamber at 250-352-5242 or email us at chamberofmines@netidea.com.

<u>John Knox Obituary 1940 – 2021</u>



Remembering John Knox

John Lionel Knox, much-loved only child of John (Jack) and Caroline (Carrie) Knox, was born in Burns Lake, BC in April, 1940. He grew up beside Ootsa Lake until his early teens, his mother walking with him along the extensive beach-front property, while looking at pretty stones and interesting rocks. The flooding of that beautiful lake for the Kemano Project sent his devastated family south to Haney (now Maple Ridge). While he completed his Bachelor of Science, majoring in geology, at the University of British Columbia in Vancouver, prospecting was always John's favourite part of the job – whether in the wilderness or driving down the road, any road, any country!

John is survived by his wife Kay, the love of his life. Their marriage of 50 years was filled with laughter and devotion, as they worked as a team to overcome life's inevitable difficulties, like the fire that devastated their first property near McLeese Lake. He was very fond of his many cousins who called him Magee to the end, a nickname given to him by his grandfather McNeill. Also missing him will be Kay's Australian and Canadian relatives who gladly welcomed him into her large family.

He loved and was well-informed about the natural world, and used some of this knowledge in gardening at all three places where Kay and John spent many happy years, forming forever-friendships: McLeese Lake, Kaslo and Clearwater. While he was private, independent and a home body, John quickly decided he liked travelling once Kay got him started. As often as they could afford it, away they went by car, RV, train, plane, and cruise ships, often with some of those aforementioned friends.

He would never have admitted it, but John was a popular person. Kids were fascinated by his "giggle" and friends and family loved discussing politics and world affairs with him. Through watching TV documents and with his voracious reading habits, John learned much about past history and kept abreast of current events as well. There was never any shortage of food at the Knox house, for John love to shop for a bargain as well as cooking meals, making jams, and preserving fruit for winter taste treats. He was also "Mr. Fix-it" par excellence and a keen photographer.

Invasive cancer crept up on John quietly so it was not discovered until too late for treatment. In the end, it was a relief that he went so quickly, though such a shock for all. He died peacefully at home on September 30th, 2021.

Kay wishes to express great appreciation to: Dr. Soles, Dr. Perdue, Dr. Chi and the staff at the Clearwater Medical Clinic; Doctors Takahashi and Gabriel in Kamloops, and many other medical professionals in both Dr. Helmcken Memorial and Royal Inland Hospitals. The care and caring have been exceptional. Kay and John have been beyond grateful to their relatives, many friends and neighbours for their assistance, support and love during these tough times.

A celebration of Life will be held at Easter, 2022, restrictions permitting, close to what would have been John's 82nd birthday. Meantime, if anyone wishes to do so, donations can be made in his name to any charity of your choosing.

Offer Condolence for the family of John Knox 1940 – 2021



October 25th, 2021

Rokmaster To Resume Underground Drill Program At Its High-Grade Gold Revel Ridge Project

Rokmaster Resources Corp. is pleased to announce that it has successfully concluded its 2021 surface diamond drill program (for detail see news releases, June 17, 2021, June 24, 2021, and August 24, 2021) for the season at its Revel Ridge Project with 10,747 metres cored in 39 holes.

Underground diamond drilling (fully permitted until August 2022) will resume on November 8, 2021. The drilling is being conducted under contract by Hy-Tech Drilling Ltd. of Smithers, B.C., under the supervision of Dr. James "Jim" Oliver, P. Geo.

The focus of the next stage of drilling will recover larger HQ size drill core from existing underground workings to obtain additional metallurgical samples from depth, while continuing to expand the Main, Hanging and Footwall Zones.

Work on updating the current NI 43-101 resource at Revel Ridge is continuing and surface assays are pending.

https://rokmaster.com/





Proposal for activity in Kenville Mine will not affect aquifer, domestic wells: report



Ecoscape Environmental Consultants Ltd had been contracted by Ximen Mining Corp. — which owns the Kenville Mine — to undertake a hydro-geologic assessment of the 1,200-metre decline proposal (and extraction of a 10,000-tonne bulk sample) — Creative Commons photo.

A new underground decline being proposed for the Kenville Mine west of the city won't affect domestic wells in the region, a consultant report has concluded.

Ecoscape Environmental Consultants Ltd had been contracted by Ximen Mining Corp. — which owns the Kenville Mine and other mineral rights in the area — to undertake a hydro-geologic assessment of the 1,200-metre decline proposal (and extraction of a 10,000-tonne bulk sample).

Even with 113 domestic wells using the aquifer it was found that there was only a 13.6 per cent demand on the annual recharge of the aquifer, the consultant found.

"The proposed portal at Kenville Gold Mine would have a negligible effect on groundwater supply in the aquifer," noted a release from the company on its website

(https://www.ximenminingcorp.com/project/kenville-gold-mine/).

A request for comment on the report and the mine by TND to Ximen was not returned.

In addition, it was noted that there was not a connection between the aquifer and Eagle Creek.

There was some question on how the hydraulic connectivity between the existing aquifer and the proposed decline passing through it would fare.

The company must still gain approval for a permit for the development of the underground decline to access the area west and south of the historic mine, where a series of gold-quartz vein intercepts were drilled between 2009 and 2012.

"Ximen believes this area is a continuation of the gold deposit that was mined historically," noted a company release.

Permitting is expected to be completed within the next eight weeks, with the intent to extract a bulk sample this year from the site and then be "positioned toward continuous production."

Report findings

The aquifer underneath the Kenville Mine is identified as aquifer 511 IIB by the *Water Resource Atlas*, which is a fractured crystalline bedrock aquifer and not likely connected to surface water sources.

Ecoscape's report showed the top of bedrock for the aquifer a minimum of 30 metres below Eagle Creek, and that Eagle Creek is perched above this aquifer and separated from it "by unsaturated, lowpermeability bedrock.

"Ecoscape concluded that it is quite unlikely that groundwater from Aquifer 511 upwells through the bedrock and overlying glacial till into Eagle Creek near the proposed site," noted a Ximen release. "As such, the bedrock aquifer is not likely hydraulically connected to Eagle Creek."

With the depth of the aquifer and the low permeability of the bedrock, the springs and drainages are fed by groundwater in the area.

"The proposed decline is away from nearby wells and will intercept groundwater at a distance greater than 520 metres from the nearest well," read the consultant's report, noting the negligible effect on downslope water users.

Digging gold

Three years ago Ximen acquired all of the former producing Kenville Gold Mine crown granted mineral claims and the surface rights, along with all existing permits, infrastructure and equipment.

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"Past drill programs give evidence of the extension of the high-grade vein structures to substantially higher quantities of gold on the adjacent claims," read a release from the company on its website, pertaining to the Kenville site.

"Ximen is confident that the current trend likely extends throughout the area, with over half the property unexplored."

With the limits of the reserve now to be explored, the estimated life expectancy of the mine is over 20 years. The bulk sample will be processed off site.

Already the 257 Level portal has been restored, while surface buildings and roads have been rehabilitated as well, with the portal site for the decline being stripped.

In addition to the work, a transformer for hydropower supply was installed with all pertinent underground mining equipment included — a new mine compressor, a three-yard scoop tram, 13-tonne rock truck, long-tom drills and fans have been acquired.

"Water and waste rock quality surveys were completed, showing that the mine drainage water is high quality and the waste rock is non-acid generating."

Go west

The mine is located eight kilometres west of the city and was previously called the Granite-Poorman Mine.

In all, there are 15 Crown-granted mineral claims and three mineral claims on the mining property (567 hectares), as well as surface rights to four of the Crown grants.

After the Kenville mine was purchased Ximen was able to buy and option several additional holdings around the Kenville mine, including the Star property, for a total of 20,062 hectares that includes Kenville.

"The acquired areas cover numerous historic mines and mineral occurrences and have had extensive historical exploration and small-scale mine production," noted a release on the Ximen website.

https://www.ximenminingcorp.com/



Chamber Report By Brad Gretchev:

The Chamber of Mines will be holding a Fall Banquet at the Hume Hotel on Friday November 12th, 2021 from 6pm – 9pm.

Tickets are \$55.00 and can be purchased from the Chamber or at the door. Please call Brad Gretchev at 250-352-5242 to reserve tickets.

As the banquet will be held at the Hume Hotel the mandatory vaccine passport will be required to attend. Thank you.









October 25th, 2021

Taranis DiscoversNew Zone at Thor, Extending Deposit Under Thor's Ridge with Thor-220(6.42% Combined Cu+Pb+Zn, 253.8 g/t Ag, 0.61g/t AuOver 3.96m)

Taranis Resources Inc. is excited to report on exploration progress at its 100%-owned "Thor" silver, gold, zinc, and copper polymetallic deposit located near Trout Lake in southeastern British Columbia. In summer 2021, Taranis drilled a total of ten holes testing the Ridge Target; only the first three (Thor-218, 219 and 220) are discussed here. Details of the remaining drill holes will be discussed as assay results become available to the company.

A new discovery was made testing the Ridge Target (henceforth referred to as the *Thunder Zone*), located north and east of the Blue Bell Zone. The Thunder Zone was discovered on the south side of Thor's Ridge, underneath a paleo-landslide which has detached a portion of Thor's Ridge. This paleolandslide was not a recognized aspect of the area's geomorphology until 2021 due to its concealment under undisturbed forest growth in the area.

Lead-up to Discovery Hole Thor-220

Drilling on Thor's Ridge is a challenging process because of steep terrain and technicalities of the overburden resulting from the paleo-landslide.

The 2021 season's inaugural drill hole (Thor-218, -450) on the Ridge Target was abandoned at a depth of 48.8m due to excessive bit wear. An assessment of the difficult ground conditions indicated that a landslide, clearly visible on Lidar imagery, was responsible for the difficult ground conditions. Subsequent deep penetrating electrical tomography mapping of the area confirmed the presence of a large conductive landslide that ranged in thickness from 30-35 m, fully concealing bedrock at the base of the landslide.

Once drilling methods were modified, a drill hole (Thor-219, -600) penetrated through the landslide and reached bedrock at a depth of 29.6 m. This hole intersected a new weakly mineralized quartz vein from 56.54 to 59.77 m (0.01% Cu, 0.16 % Pb, 0.57% Zn, 5.72 g/t Ag and 0.37 g/t Au). Of note was a fault on top of the quartz vein that contained slickensided pyrite. The hole emitted a pungent smell of hydrogen sulfide gas, and it is this geological teaser that led to the eventual discovery of the Thunder Zone under the paleo-landslide in hole Thor-220.



Despite intersecting only weak mineralization in the Ridge Target, Thor-219 was continued further into the underlying Blue Bell Zone, encountering it at 157.01–157.20 m. Historical underground sampling and previous Taranis drilling had already shown that the Blue Bell Zone "pinched-out" in this area. The assay results from the Blue Bell interval showed the characteristic high-grade of this zone (0.20% Cu, 0.55% Pb, 5.66% Zn, 118g/t Ag, and 0.67 g/t Au/0.19 m). This intercept demonstrates that despite a diminished environment for the hosting of a wide zone of mineralization in the northern terminus of Blue Bell, the metal-bearing hydrothermal fluids that deposited the metals did not wane during deposition.

Discovery of a New Zone at Thor (Thor-220)

Thor-220 (-900) was cased down through the landslide and entered bedrock at a depth of 30.78 m from the same setup as Thor-219. Shortly after entering bedrock the drill hole intersected Jowett Formation volcanic rocks (48.95–74.52 m) that exhibited prolific quartz veining accompanied by tetrahedrite, sphalerite, galena, and pyrite mineralization. This mineralization was the source of the hydrogen sulfide gas that was noted in Thor-219.

Analytical results from Thor-220 show that it has both a deeper high-grade zone but is also encapsulated within lower-grade mineralization that is potentially bulk mineable. The higher-grade mineralization occurs from 68.13-72.09 m with analytical results shown below:

Thor-220 Analytical Results								
From (m)	To (m)	Thickne ss (m)	% Cu	% Pb	% Zn	% Combin ed Cu+Pb+ Zn	Silver (g/t)	Gold (g/t)
68.13	72.09	3.96	0.15	2.63	3.63	6.42	253.8	0.61

The encapsulating lower-grade interval included 10.30 m (62.49-72.79 m) of 0.07% Cu, 1.07% Pb, 2.13% Zn, 103.42 g/t Ag and 0.35 g/t Au. Taranis has posted a picture of the drill core from this intercept as well as some general images of the landslide on the website at www.taranisresources.com.

Implications of the Thunder Zone for Increasing Thor's Mineral Resource

Moving from southeast to northwest, the Thor deposit is comprised of large en-echelon stacked zones known as Broadview, Great Northern, True Fissure and Blue Bell that obliquely transect the Silver Cup Anticline. The Silver Cup Anticline is a large, regional structure which hosts many other silver deposits in the Silver Cup Mining camp. Prior to the discovery of the Thunder Zone, all known zones at Thor were located only on the south side of the Silver Cup Anticline, extending 2.5 km south of the Silver Cup Anticline exposed in Fissure Creek. The Thunder Zone is the first zone to be found at Thor on the north side of the Silver Cup Anticline.

Taranis is confident that the Thunder Zone will be comparable to True Fissure, Great Northern, or Blue Bell, and that it is part of a repeating pattern that continues to the north-northwest. The Thunder Zone is a completely blind zone hidden under steep topography and an overlying paleo-landslide. Now that these features relative to the zone have been identified and mapped, following the Thunder zone and any subsequent zones in the sequence will be greatly simplified.

The Thor-220 intercept bears close resemblance to other drill holes in the existing deposit in terms of tenor, thickness, and mineralogy. It also establishes a repetitious pattern of mineralization which will simplify discovery of additional zones as exploration activities move under Thor's Ridge.

Thor-220 is the northernmost drill hole that was completed in the Thunder Zone, and also the northernmost drill hole ever drilled at Thor. Testing this zone moving further to the northwest is a high priority for future drilling.

While much exploration work remains in order to follow the Thunder Zone under Thor's Ridge, there are indications the Thunder Zone extends for a considerable distance to the north-northwest. Previous surface sampling by Taranis at a location called 'SIF North' (located over 1 km to the northwest of the Thunder Zone) obtained gold values up to 0.60 g/t Au. Westmin Resources, who formerly explored in the vicinity of SIF North, also obtained gold values in trenching up to 3.85 g/t Au in the early 1980s. This gives Taranis high confidence that there is still a substantial amount of mineralization to be found under Thor's Ridge and on the north side of the Silver Cup Anticline. In this area, the targets are hidden below surface under barren lithocap rocks of the Broadview Formation, and this would explain why they have not been previously discovered.

https://www.jjgmining.com/









West's Daylight Property Drilling Intercepts 18.60 g/t Gold Over 2.0 Metres And 6.55 g/t Gold Over 2.66 Metres

West Mining Corp. is pleased to announce it has now received assay results from the initial eight diamond drill holes on the Great Western Zone ("GWZ") of its 100% owned Daylight Property.

The drilling intersected strong quartz-pyrite stockwork and veinlet zones within bleached and silicified plagioclase porphyry and underlying well foliated, pyritic intermediate volcanics. These units comprise the Jurassic Silver King intrusive and the Jurassic Elise Formation volcanic units, which are well known to locally host broad zones of gold and copper mineralization, along with narrower high grade intercepts.

Significant GWZ drill hole gold assay results in grams per tonne ("g/t") are listed in the following table along with the hole numbers, UTM coordinates and assay interval depths and core lengths.

HOLE	EASTING	NORTHING	FROM (m)	TO (m)	WIDTH* (m)	GOLD (g/t)
DL21-01	477527	5476102	46.84	49.50	2.66	6.55
including			46.84	47.40	0.56	12.60
including			49.00	49.50	0.50	19.14
DL21-02	477527	5476102	7.40	33.30	25.90	0.30
including			31.30	33.30	2.00	1.39
DL21-03	477466	5476174				
DL21-04	477466	5476174	78.57	97.20	18.63	0.80
including			95.20	97.20	2.00	3.69
DL21-05	477534	5475984	46.30	78.30	32.00	1.00
including			68.30	78.30	10.00	5.49
including			68.30	70.30	2.00	18.60
DL21-06	477534	5475984	45.00	60.78	15.78	0.30
DL21-07	477593	5476049	124.10	161.50	37.40	0.52
including			140.10	146.10	6.00	1.00
DL21-08	477656	5476127	2.10	54.27	52.17	0.57
including			20.67	30.41	9.74	1.22
including			22.08	23.38	1.30	3.11

*Note: Widths reported are drill core intercepts. Additional drilling and modelling will be required to interpret true width intervals.

All holes were drilled toward azimuth 0450, with dips of -500, except for hole DL21-02 and DL21-05 which were vertical holes and hole DL21-06 which had an azimuth of 0900. Hole 3 was the farthest north hole, drilled 100 metres to the north of hole DL21-01, lying outside of the strong alteration zone. This hole did not hit significant gold mineralization.

Drill holes DL21-01 and DL21-05 returned assay results grading from trace to 19.14 g/t Au over 0.50 metres in DL21-01 and 18.60 g/t Au over 2.0 metres in hole DL21-05. All drill holes with the exception of DL21-03 returned several, often contiguous elevated gold samples ranging from 0.2 to 0.5 g/t Au. **MINING: GOOD NEIGHBOUR AND PROVIDER TO THE WORLD** WWW.CMEBC.COM

Fact: drill hole DL21-01 averaged 0.25 g/t Au over its entire 100.37 metre depth; hole DL21-05 averaged 0.23 g/t Au over its entire 318.72 metre depth; and hole DL21-08 averaged 0.32 g/t Au over its entire 146.5 metre depth.

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The current diamond drill program has expanded the GWZ along strike from previous drilling in 2017, which also returned several high grade gold drill intercepts (BC ARIS Report #37536), including:

- DL17005 63.7 g/t Au over 0.9 metres, 20.9 g/t Au over 0.5 metres, 11.6 g/t Au over 0.79 metres and 10.3 g/t Au over 0.6 metres. These gold intervals occur within a 36 metre wide zone which averages 1.06 g/t Au.
- DL17007 21.2 g/t Au over 0.48 metres, 7.36 g/t Au over 0.5 metres, 9.0 g/t Au over 0.5 metres.
 These gold intervals occur within a 71.22 metre section averaging 1.09 g/t Au.

The GWZ is located 900 metres west of the Gold Mountain Zone on West Mining's Kena Gold-Copper Property. These zones have nearly identical geochemical and geophysical (magnetic and chargeability) signatures, and may be part of the same mineralizing system. A recent resource estimate (NI 43-101 Technical Report on the Kena Project, Bird, 2021, filed on SEDAR) shows an indicated resource containing 561,900 ounces gold and an inferred resource containing 2,773,100 ounces gold, within an open ended portion of this robust system (see News Release dated May 11, 2021).

Data compilation and computer 3D modelling will combine the current 2021 and 2017 drilling data, along with that from the Kena Gold-Copper Property in order to more fully understand the significance and potential economic importance of these large gold mineralized zones.

Assay results are pending for 6 diamond drill holes completed on the Starlight Trend of the Daylight Property, located 600 metres southwest of the GWZ. Drilling is now underway on the Kena Copper Zone on Daylight's adjacent Kena Property, with 4 of a planned 12 drill holes now completed.

Nicholas Houghton, President and CEO of West Mining Corp. stated, "We are very excited with these first diamond drill hole results on our Kena Project's Daylight Property. Our drill program is continuing to seek and expand known zones of mineralization, upgrade existing resources, defining new discoveries and testing new targets. The team has done a great job identifying and expanding the trends but our work has only just started. We will continue to prove that this is a first class project and grow what is already an excellent gold resource base."

https://www.westminingcorp.ca/

2021 Mineral South Conference

November 2 - November 4



To Register

Download the Minerals South 2021 Package for event, registration and sponsorship information.

Background

The Minerals South conference is organized by the East Kootenay Chamber of Mines (EKCM), a nonprofit organization actively promoting resource extraction interests in southeastern British Columbia. More than 100 people from B.C.'s mining and natural resource sector gather to network, exchange ideas and technologies, and share knowledge.

The Minerals South conference is not only a chance to showcase industry innovation and cutting-edge technologies being developed and implemented in the region, but it is also offers professional development, business and employment opportunities for individuals and companies in the area. "Whether you are new to the mining resource industry or have been in the business for a long time, this conference offers everyone – suppliers, workers, post-secondary students, employers – a chance to gain new knowledge and connections and keep up-to-date on the latest regulations. It is a much anticipated opportunity to stimulate exploration in the East Kootenay. In addition to technical presentations on projects in the area, Minerals South offers mining companies and suppliers a common venue to discuss solutions to mining and exploration-related issues."

Other Minerals South highlights include a short course, "two" open to the public talks, two-full days of technical talks, a trade show, displays of paleontology fossils, drill core and field specimens of rock and ore, a school program attended by elementary students and a delegate field trip.

The East Kootenay Chamber of Mines organizes and hosts the Minerals South Conference and Tradeshow every two years, alternating with the Chamber of Mines of Eastern BC. It is its primary fundraiser. To register, become a sponsor, or find out more visit

www.ekcm.org

WE RELY ON THE SUPPORT OF OUR MEMBERS. PLEASE REMEMBER TO RENEW YOUR MEMBERSHIP.
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We can now accept Credit Card payments by using the Donate Button on our website. <u>www.cmebc.com</u>

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