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CHAMBER OF MINES OF EASTERN BRITISH COLUMBIA
A non-profit bureau of information providing authentic, reliable data to the
General public and the mining industry of Eastern British Columbia
215 Hall Street, Nelson, B.C. V1L 5X4 Phone: (250) 352-5242
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NEWSLETTER

Note: The views of contributors to this newsletter do not necessarily reflect the views of the Chamber

We will be hosting our Annual Banquet at the Hume Hotel on

Saturday March 7th, 2020 **starting at 5PM with dinner served at 6PM followed by a special presentation from our guest speaker, local Historian, Greg Nesteroff and our live auction. Tickets are $55.00 and can be purchased on our website by using the donate button or at the Chamber with cash or cheque.**

Please contact us if you would like to reserve tickets so we can provide numbers to the Hume Hotel.

Our friends over at Metal Tech Alley are hosting a conference June 16th – 18th, 2020. Check out their poster on the next page.

We are looking forward to hosting home schooled students this month.

We can now accept Credit Card payments by using the Donate Button on our website.
www.cmebc.com

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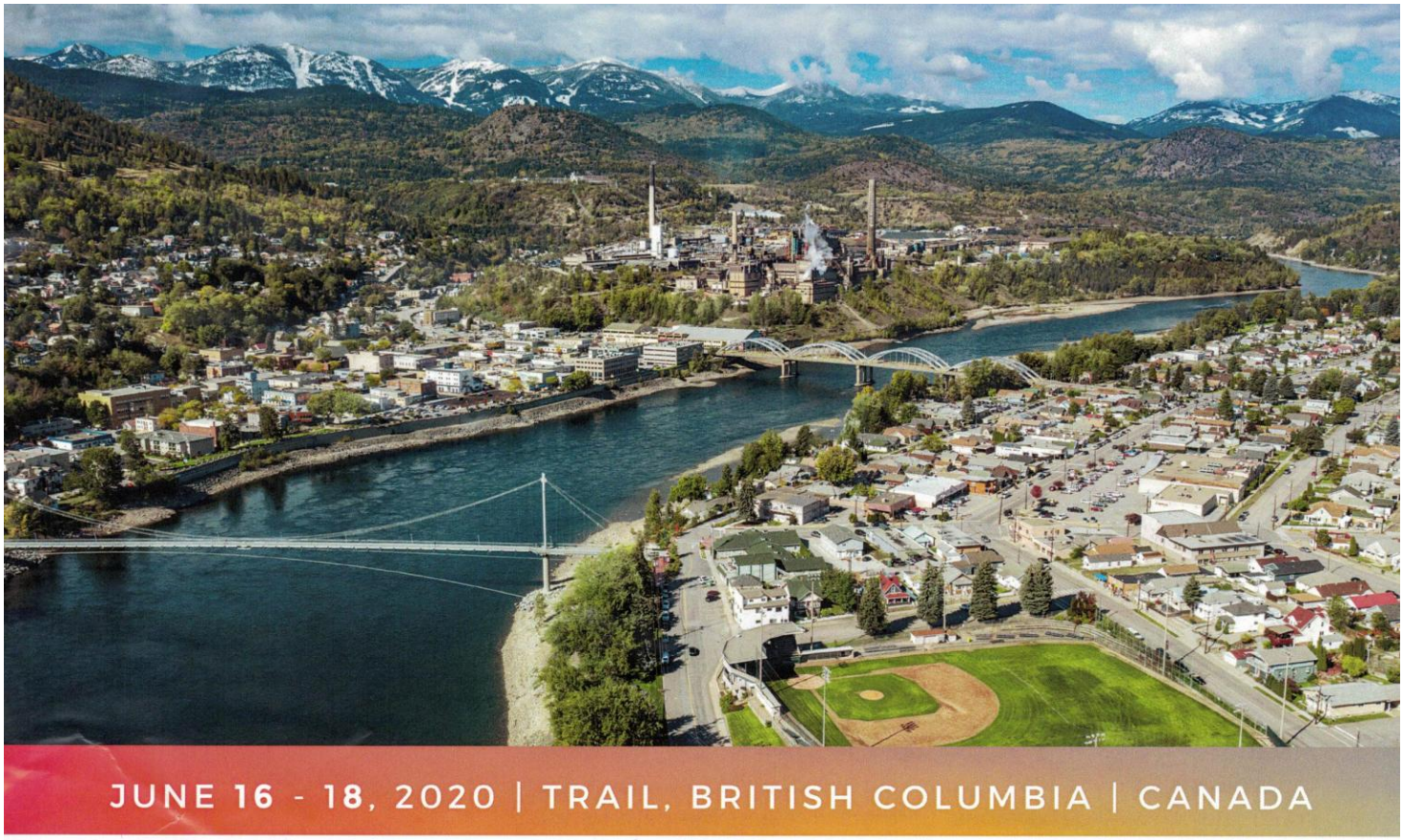

metaltechalley

PRESENTS

ICE2020

THE INDUSTRIAL CIRCULAR ECONOMY CONFERENCE

JUNE 16-18, 2020
TRAIL, BRITISH COLUMBIA
CANADA

As industrial manufacturers strive to remain competitive in an ever-changing marketplace, both domestically and globally, resource sustainability continues to be a priority. Metal Tech Alley's ICE 2020 Conference provides the insight and solutions you need to evolve your operations, by embracing the many benefits of an industrial circular economy.

Learn how Trail, BC – a dynamic and thriving part of British Columbia's interior – is finding value throughout the life cycle of finished products by moving towards a more robust circular economy.

Join innovators, entrepreneurs and business leaders for a unique gathering to build global connections, transfer knowledge, explore opportunities, create new partnerships and experience first hand an industrial circular economy in action.

REGISTRATION BEGINS IN JANUARY

metaltechalley.com/ICE2020

JUNE 16 - 18, 2020 | TRAIL, BRITISH COLUMBIA | CANADA

ICE2020

THE INDUSTRIAL CIRCULAR ECONOMY CONFERENCE

+ 2 DAYS OF WORKSHOPS & FACILITY TOURS
+ 200 BUSINESS LEADERS & INNOVATORS
+ MULTIPLE NETWORKING & SOCIAL EVENTS
+ FOCUSED PANEL DISCUSSIONS
+ ENGAGING KEYNOTE SPEAKERS
+ SOLUTIONS SHOWCASE
+ POST CONFERENCE TOURS

Metal Tech Alley is a cluster of great minds and motivated industrialists who are leading the Fourth Industrial Revolution. Our multi-lateral, multi-dimensional partnership clears the path for you and your company to succeed, and involves leaders from industry, technology, institutions and government.

Led by the regional economic development office, the Lower Columbia Initiatives Corporation (LCIC) and its community partners around Trail, British Columbia, we are **driving growth** through initiatives like ICE 2020.

Join business leaders and innovators who are solving the Industrial Circular Economy equation – breaking ground, setting new standards and sharing expertise on:

- How BioBased Resources are changing the Industrial Circular Economy
- How Technology is Driving the Industrial Circular Economy
- How Electricity is Powering the Industrial Circular Economy
- How Industrial Recycling is Upcycling the Industrial Circular Economy

If you have solutions, we want to hear from you.

As an ICE 2020 speaker, presenter or solutions partner, you'll be at the forefront of innovation in an industrial circular economy. Talk to us about speaking opportunities in our program and business opportunities at our Solutions Showcase.

DON'T DELAY, CONTACT US TODAY!

admin@metaltechalley.com

EXPERIENCE THE INDUSTRIAL CIRCULAR ECONOMY THROUGH OUR

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MIDAS LAB

FENIX

Advanced BioCarbon 3D

i4C INNOVATION

POST CONFERENCE TOURS

Teck

KC Recycling

RETRIEV TECHNOLOGIES

COLUMBIA RIVER DAMS TOUR

APX: TSX-V APEX RESOURCES INC.

February 13th, 2020

Apex Resources Engages Renaissance Geoscience Services Inc. to Undertake Updated Resource Estimates for its Emerald Tungsten and Kena Gold projects

Apex Resources Inc. is pleased to report that it has engaged Leopold J. Lindinger, P.Geo. of Renaissance Geoscience Services Inc. ("Renaissance") to prepare updated resource estimates for the East Emerald tungsten deposit on its Jersey-Emerald Property and for the Kena and Gold Mountain zones on its Kena-Daylight Gold property. Both properties are located in southeastern British Columbia. Leopold Lindinger, has 35+ years of experience in the mining industry including 5 years as an open pit mine geologist and grade control technician, and 3 years of underground gold mining experience. He is a Senior Associate geologist with Watts, Griffis and McOuat Ltd. he has extensive Canadian and International mining and mineral exploration experience.

The Jersey-Emerald property is located 45 km south of the town of Nelson in southeastern BC. The property is host to the former Emerald Tungsten Mine, Canada's second largest tungsten mine and the historic Jersey Lead-Zinc Mine, British Columbia's second largest lead-zinc producer. Significant zones of remnant mineralization exist in the historic tungsten workings (News Release of May 23, 2007). In 2006 Apex discovered a large new tungsten deposit, the East Emerald deposit, on the property (News Release of Mar 6, 2006). Drilling in 2014 traced the deposit for 1,200 metres along strike and 200 metres in width with 74 NQ diamond drill holes. The present study will use the results of these drill holes to calculate an updated tungsten resource estimate for the property. The updated resource estimate will also incorporate updated topography based on a 2017 Lidar survey.

The Kena property is located 25 km north of the Jersey-Emerald property. The property is under option to Boundary Gold and Copper Mining Ltd who may earn 80% interest in the property by completing $2.5 million in property exploration by October 3, 2022. In 2004 a now historic NI43-101 Technical Report on the Gold Mountain and Kena Gold showed a measured and indicated resource of 381,000 ounces of gold and an additional inferred resource of 389,000 ounces of gold. This resource estimate was based on 115 drill holes and showed an average grade of 1.0 g/t gold using a cut off grade of 0.50 g/t gold (News Release dated June 7, 2004). The deposits are exposed on surface and remain open along strike and at depth. The deposits have since been expanded with 7,527 metres of NQ diamond drilling in 41 drill holes completed in 2012. The updated resource estimate will incorporate these and older drill results with updated topography based on a recent Lidar survey.

The resource estimate program will involve site visits, drill core inspections and core sampling by Renaissance. The program will commence immediately. Preliminary reports are expected by early April.

http://www.sultanminerals.com/s/Home.asp

TARANIS RESOURCES INC.

February 11th, 2020

Taranis Outlines Potential Source of Thor Deposit, and DetailsAdditional Zones at Thor

Taranis Resources Inc. is excited to present some of the recent developments from computer modeling at its Thor property in the Trout Lake area of southeastern British Columbia that have yielded some major surprises. This modeling only became possible after completion of the 2019 LiDar survey that was able to provide precise elevation control to the extensive drill hole, geophysical, and historical information. The results are summarized in greater detail at www.taranisresources.com, and includes highly informative images from the modeling.

'Intrusive Target' – Geophysical inversion modeling of a large positive magnetic feature has detailed a potential buried intrusive target at depth and to the east and down-dip of the existing Thor deposit. This feature measures approximately 2 km in strike length, 700 m in width and is buried at a depth of about 500 m below surface. The main Thor Fault Zone that hosts the Thor deposit extends into the apical portion of the buried intrusive target. The Thor Fault Zone is now interpreted to be a conduit through which hydrothermal fluids escaped from the 'Intrusive Target' and were deposited in the existing Thor deposit. Consequently, the 'Intrusive Target' is now considered the source of epithermal mineralization within the Thor Fault Zone. The buried 'Intrusive Target' is perhaps the most important exploration target at Thor outside of the Ridge Target, as typically in any porphyry-intrusive mineral system the actual intrusive is mineralized itself and can host very large mineral deposits.

Other Zones Within the Thor Deposit – Recent computer modeling of the mineralized zones at Thor using the new elevation data has now conclusively shown that there are at least eleven coherent zones located in the Thor deposit, and the geometry indicates that they are frequently overlapping. This spatial arrangement is very typical of epithermal deposits that are hosted within fault structures. These zones are described in more detail on the Taranis website.

John Gardiner, Taranis CEO states "In porphyry-epithermal mineral systems, there is typically a source, fluid pathway and depositional site. The existing Thor deposit at surface occurs within the epithermal part of this system. Based on the modeling, we are now starting to view this as the distal expression of a potentially mineralized porphyry system at depth. There is considerable data to support this interpretation including zonation of metals within the Thor deposit, mineralized porphyry intersected in 2018 drilling in an area over the 'Intrusive Target', and very wide-scale sericite alteration intersected in deep drill holes over the 'Intrusive Target' (drill hole Thor-74 intersected 1,000 m of intensely altered rock now known to be ammonium-illite alteration). The most compelling piece of information however is the spatial distribution of the existing Thor deposit showing its geometry around this buried intrusive target."

www.taranisresources.com

Chamber report by Brad Gretchev:

I received a nice thank you card from Blewett Elementary School!

The Chamber has been really busy with all of the nice weather. Everyone is getting excited to get out into the backcountry to explore for minerals. Come on in and get your research done so you can increase your chances of finding a new mineral deposit!

Don't forget about our Annual Banquet at the Hume Hotel on Saturday March 7th, 2020.

Ximen MINING CORP.

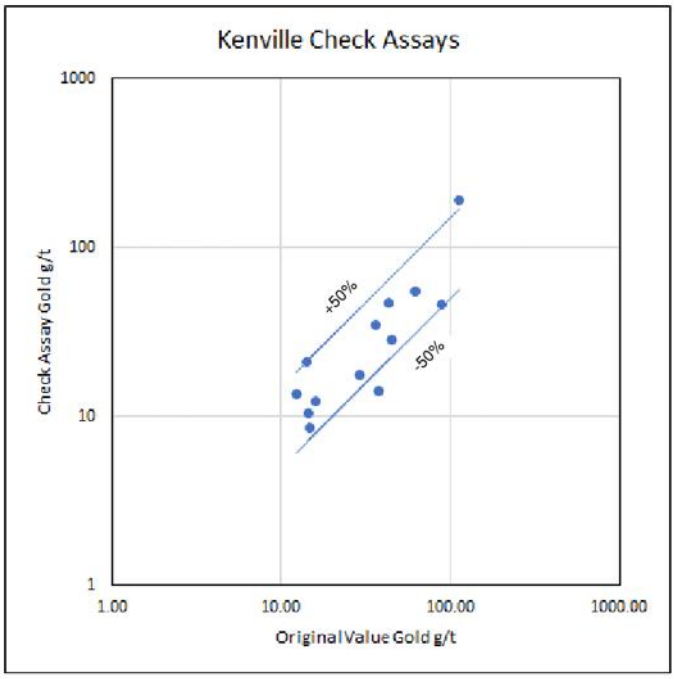
February 19th, 2020

Ximen Verifies Kenville Drill Core Assays

Ximen Mining Corp. wishes to announce that is has verified gold assays for previous drill core from the Kenville gold mine at Nelson in southern BC.

As part of on-going metallurgical studies on material from the Kenville gold mine, Ximen submitted a series of samples collected from drill core and bulk sample material that was generated by previous operators. A total of 13 drill core samples were collected from selected intercepts obtained in the years 2007 to 2011 inclusive. In addition, assays were completed on two composite samples labelled as "High Grade" and "Low grade" that will be used to create a metallurgical test sample. Assay results are provided in the table below.

Hole/Sample	From (m)	To (m)	Length (m)	Original Sample Number	New Sample Number	Original Value Gold g/t	Check Assay Gold g/t	Difference %
AK07-05	291.70	292.70	1.00	43465	V112451	15.90	12.23	-23%
AK08-07	234.70	235.20	0.50	43305	V112452	44.71	28.38	-37%
AK08-18	216.71	217.03	0.32	190029	V112453	29.20	17.71	-39%
AK08-20	84.42	84.64	0.22	190044	V112454	37.60	14.23	-62%
AK08-30	103.20	103.33	0.13	190336	V112455	14.90	8.51	-43%
KW10-02	202.88	203.45	0.57	I985502	V112456	36.20	35.2	-3%
KE09-10	456.15	457.03	0.88	A085823	V112457	14.35	10.42	-27%
KE09-10	457.03	457.97	0.94	A085824	V112458	43.60	47.32	9%
KE10-12	346.02	346.55	0.53	I984091	V112459	12.27	13.64	11%
KE10-15	228.49	228.69	0.20	I984182	V112460	113.08	191.13	69%
KE10-16	361.86	362.74	0.88	J294131	V112461	88.10	45.74	-48%
KE11-22	263.86	264.65	0.79	K242405	V112462	14.20	21.12	49%
KE10-12	387.79	387.99	0.20	I984094	V112360	62.19	55.02	-12%
Low Grade Composite							26.39	
High Grade Composite							55.28	



Graph showing check assay results for Kenville drill core samples

As shown in the table above, the drill core assay results show a wide range of differences. The average difference between the check and original assays is -12%. The high variability in assay results is typical of gold vein deposits and is likely due to a nugget effect caused by the presence of coarse gold grains in the mineralized material. Also, the original values were determined by various methods including 30 gram fire assay or the metallics sieve method and as such are not exactly comparable to the check assays. Note that the average grade of the check assays is 38.51 whereas the average of the original values is 40.48 grams per tonne gold, a difference of only -5%. In addition, 11 of 13 (85%) of the check assays are within +/- 50 percent of the original values (see graph). The check assays compare reasonably for this type of coarse gold bearing mineralization and are therefore considered to verify the original drill core assays.

For the composite samples, the results indicate relatively high gold contents. Compared to the average grade historically mined from the deposit (12.8 grams per tonne gold), the “Low Grade” composite assay is about 2 times higher and the “High Grade” composite assayed about four times higher.

Check assays were performed by MSALABS at Langley, BC, an independent commercial laboratory, accredited with ISO/IEC Standard 17025. Samples were prepared pulverized a 250 gram split to 85% passing 75 microns. Gold analyses were performed on 30 gram subsamples. Sample # 112460 was subjected to a duplicate 30g high grade fire assay (with a detection range of 0.05 – 1000 g/t Au) with gravimetric finish while the remaining samples were each subjected to a single 30g ore grade fire assay (with a detection range of 0.01 to 100 g/t Au) with AA finish.

Dr. Mathew Ball, P.Geo., VP Exploration for Ximen Mining Corp. and a Qualified Person as defined by NI 43-101, approved the technical information contained in this News Release.

https://www.ximenminingcorp.com/

EXPLOREX resources

January 27th, 2020

Explorex Announces Exploration Results At Bonanza Mountain Project In Historic Knight's Mining Camp, Grand Forks, BC

Explorex Resources Inc. is pleased to announce the results of the initial surface exploration program performed on the Company's 100% owned Bonanza Mountain precious and base metals project ("Bonanza Mountain" or "Project"), in the historic Knight's Gold Mining Camp, Grand Forks area, BC.

Fall 2019 Exploration Program

The Company completed a surface exploration program in the Fall of 2019 comprising reconnaissance of the historic mine workings and the collection of 1074 soil samples and 54 rock grab samples.

Bonanza Mountain was the scene of significant exploration and development activity over a short period from the late 1800s through to the early 1900s. By 1901, multiple shafts and tunnels were developed on the Bonanza Crown Grant with references of high grade gold and copper sourced from the workings. Historic details of the activities have been sourced from local newspapers from the period, original Crown Grant documents, Annual Reports to the Minister of Mines, and the online GATOR system, a database registry of Crown land records for British Columbia (refer to Company news release dated Nov. 25, 2019 for additional details).

During the Fall 2019 Exploration Program, three separate styles of mineralization were discovered at Bonanza Mountain:

1. **Cu-Zn-Pb-Ag Skarn** mineralization with one grab sample grading 2.44% Cu, 4.41% Zn, 0.47% Pb and 53 g/t Ag*[see note below];
2. **Ag-Pb-Zn Fault Breccia** (cataclasite) mineralization with one grab sample grading 266 g/t Ag, 3.14% Pb and 5.31% Zn*; and
3. **Au-Ag Epithermal Quartz Vein** hosted mineralization with one grab sample grading 19.7 g/t Au and 28.0 g/t Ag*.

The higher grade grab samples were collected at or in close proximity to the 15 historical workings, comprising shafts, adits and blast pits, identified on the property.

The geochemical soil sampling program delineated a >1km long by 150m wide north-south coincident Cu-Ag-Pb-Zn soil anomaly that follows a significant topographic feature identified through aerial drone

orthophotography and is open to the north along this same feature. Most historic workings are within or adjacent to this multi-element soil anomaly.

"The high grade mineralization coincident with a sizable soil anomaly and structural feature supports forms an evident indication as to why the Bonanza Mountain Project witnessed significant exploration and development activity at the turn of the 19th century." states Mike Sieb, President. "Of note, the abrupt cessation of activity at Bonanza Mountain and the disappearance from the historic record provides Explorex with a distinct opportunity to carry on where the miners of old left off."

(*Note): *Grab samples are solely designed to show the presence or absence of mineralization and to characterize the mineralization. Grab samples are by definition selective and not intended to provide nor should be construed as a representative indication of grade or mineralization at the Project; and the grab samples analysed from the Project reflect a broad range in grade from below detection limit to the grades highlighted herein.*

Other than verifying the historical records and the existence of the historical workings, the Qualified Person has performed insufficient work to verify the grade of the material historically mined. The acutely historic nature of the activities and the brevity of related documents precludes support for the underlying data, and the historic excavations are either flooded or otherwise inaccessible preventing confirmation or condemnation of mineralization or grade.

https://explorex.ca/

Government of BC GeoFile

2019-13: Reconnaissance mapping in the Lardeau Group, southeastern British Columbia, with implications for Outokumpu-style deposits and high-technology battery metals, Ni and Co.

In 1981, unusual polymetallic mineralization (Ni-Cu-Co- Zn-Ag) was discovered near Kaslo, in southeast British Columbia. However, it was not until 2017 that John Drobe (Cardero Resources) recognized its similarity with Outokumpu-style sea-floor detachment related deposits in Finland, for which a refined deposit model has only arisen in the last decade. Ni and Co are enriched in these Besshi-like deposits because they develop over mantle but why are they in the “passive continental margin” succession of North America? Previous workers have mapped small mafic/ultramafic intrusions. Could some be mantle? Plus, how extensive is this mineralization within the 300+ km long Lardeau belt?

In 2018, during a week-long reconnaissance mapping and sampling program, we looked into this “Outokumpu-style” mineralization to see if further study was needed. This poster presents some preliminary findings as well as an introduction to major questions about unit correlation that persist in the Kootenay region of southeastern British Columbia.

View GeoFile 2019-13 (PDF, 22 MB)

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LARGE CORP MEMBERSHIP (51+ EMPLOYEES)	**$500.00 _____**
Date…….	**$_____**

THANKS FOR YOUR SUPPORT ----- Chamber of Mines of Eastern BC

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