



# **MOTHER LODE**

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## **NEWSLETTER**

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



**Alvin Michael Gerun**

**June 8, 1942 – September 25, 2020**

It is with profound sadness that we announce the sudden passing of Alvin Michael Gerun on September 25, 2020 in Nelson, BC.

He leaves behind his loving son, Michael (Lua) and grandchildren Hailee and Brayden, along with partner Gloria Ligget, brothers, Lloyd (Gladys) and Raymond, sister Debbie (Wayne) Wicheruk, nephews Mark (Tammy) and Trevor Wicheruk, niece Raelyn (Kaur) Pavnee and great nieces Isabell and Audrey.

Al was born in Winnipeg, Manitoba and moved with his family to Cranbrook, BC in 1946. Upon graduation from Mount Baker Secondary School in Cranbrook, he attended the University of British Columbia, graduating with a Bachelor of Science in Geology, and later founded Gerex Developments company after working a long career in mining and served as a valued member of the Board of Directors of the Chamber of Mines of Eastern BC.

Al loved to read and enjoyed the nine winters he spent in Mesa, Arizona.

The family wishes to express their thanks to Dr. Malpass, Dr. Newth and Dr. Finch (Kelowna).

There will not be a funeral service at this time; a celebration of life will be announced at a later date. You are invited to leave a personal message of condolence by visiting the family's register at [thompsonfs.ca](http://thompsonfs.ca)

As an expression of sympathy any donations made to the Canadian Cancer Society [www.cancer.ca](http://www.cancer.ca) to honour Al's life would be greatly appreciated.

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Oct 9, 2020

## Taranis Excavates and Improves Thor Mill Site, Recycling 50t of Legacy Debris

Taranis Resources Inc. is pleased to update its shareholders with respect to important developments at its 100%-owned Thor polymetallic project in British Columbia.

Despite complications related to the COVID-19 pandemic, the Company was able to safely remove approximately 80t of dangerous wood and metal waste from the Thor project which were left behind by historical mining companies and never properly reclaimed. Metals were removed from the site via excavator and truck and recycled at the Revelstoke transfer station.

The Thor project is comprised of five historical mines dating back as far as 1896; none of these mines were reclaimed to current BC standards. As Taranis advances its 10,000-tonne bulk sample project and investigates the possibility of commercial production at Thor, it will continue to develop and execute plans for removal and proper disposal of potentially hazardous materials so that eventual reclamation of the site will yield more thorough habitat restoration.

*“Taranis Resources is dedicated to the use of sustainable mining practices, and we are excited to put new technologies to work at Thor which will create steady jobs in the area, and leave it cleaner for future generations.”* says Thomas Gardiner, V.P. of Operations. *“The Thor area has been severely impacted by over 100 years of old fashioned mining techniques, and our on-site pre-concentration plan will create the economic incentive to finally reclaim these historical disturbances.”*

### Background

The area known as the “True Fissure mill site” at Thor has been significantly disturbed by historical mining and milling activities conducted between the late 1930s and early 1970s. Taranis is presently finalizing the bulk sample site plan, which prescribes emplacement of pre-concentration equipment at the True Fissure mill site.

Taranis is preparing for the bulk sample activities using engineering plans developed by Allnorth Engineering and Knight Piesold. It has been recognized that the True Fissure mill site is the best location for the pre-concentration facilities, so that no new disturbances to potential habitat in the area will have to be made. To build disposal facilities for the acid-generating legacy stockpile in the True Fissure open pit, the Company must remove the historical debris left at the mill site. Upon securing permits for commercial production after completion of the bulk sample, this pattern of legacy disturbance removal, implementation of greener technologies, followed by reclamation and monitoring, is expected to continue.



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A mélange of mill components, structural materials, vehicles, heavy equipment, and other objects were hastily buried in a shallow pit and covered with topsoil around the mill site in the early 1970's. Taranis used a variety of geophysical methods to locate the debris including ground magnetometer and resistivity surveys. These surveys are part of the work that was completed for the application to permit a 10,000 tonne bulk sample at Thor.

### **Previous Mining Efforts at the True Fissure Mill Site**

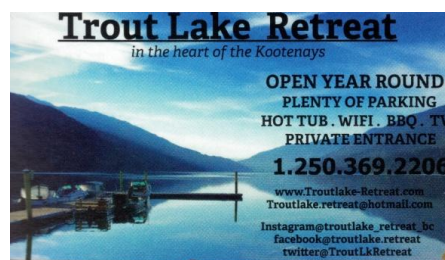
Records about the history of mining activity at Thor are incomplete. They are sometimes vague, contradictory, or fail to adequately explain the rationale for decisions pertaining to mine and mill operation. This complicates the removal of legacy material, which has been concentrated at various sites around the Thor mine.

Taranis has been able to roughly reconstruct a timeline and history of mining and milling activity on the Thor project, but some details remain unknown. Two separate milling operations were run at the True Fissure mill site in the past century. The first of these was a 91 t/d mill that was built in 1930 by the Latonia Milling Company for Comara Mining and Milling Company. The Comara/Latonia mill was completed although at that time there was no ore ready to process. The mill operated during the winter of 1937-38 and processed 5,600 t of ore. 376.8 t of lead concentrate were shipped. The Latonia mill produced a smaller amount of zinc concentrate at the same time (roughly 270 t), but not all of it was shipped. Further development work was carried out in 1939, but the company ceased operations sometime between 1940 and 1944.

Taranis has photographs of the mill site circa 1938, and they show extensive infrastructure and crushing/milling equipment. This plant included a crusher, ball mill, flotation plant as well as a bunkhouse, blacksmith, assay lab, dry and other related offices. The Latonia mill was destroyed by extreme weather at some time in the 1940's.

In the early 1970's, Columbia Metals constructed a second plant, rated at 115 t/d, that again comprised a complete processing plant. There are no known photographs of this operation, but much of the equipment was subsequently moved offsite to Ferguson in 1971. Annual Reports to the Minister of Mines suggest that the Columbia Metals mill was shut down after only a few days' operation in 1971 "due to improper installation and ecological problems relating to tailings disposal". The remainder of the plant was later destroyed by snowfall and appears to have been bulldozed into the earth alongside, or among the ruin of the Comara/Latonia mill.

The approximate age of equipment and material removed from the True Fissure mill site varied between 1930s and 1970s vintage.



### **Taranis Envisions Unique Approach to Mining at Thor**

The amount of precipitation (including snowfall) at Thor presents unique challenges to operating a mine, and these appear to have been insurmountable using traditional hydrometallurgical processes. Technological constraints and metal prices restricted previous operations, forcing them to put a full-scale processing plant onsite. This approach proved unsuccessful, owing to maintenance of mine infrastructure under adverse climate conditions, and disposal of waste-water and mine wastes in a mountainous terrain.

Taranis envisions a unique approach to these issues that will put minimal mining infrastructure onsite and produce a pre-concentrated product that can be more easily shipped large distances to a downstream concentrator. The pre-concentrator (Gekko plant) will recycle most of the water and separate valuable material of higher specific gravity from the lower specific gravity rejects. Use of the Gekko plant will reduce the amount of material removed from the site by 66%. Coarse rejects from the pre-concentrator are proposed to be discarded into open pits at surface, and recontoured to the original surface configuration. Upgrading of the pre-concentrate will be performed off-site at existing hydrometallurgical facilities to improve environmental outcomes and reduce risks inherent in the weather patterns of the region.

### **Taranis Samples Highest Grades Found at Thor in Scab Zone, Including 16.5g/t Gold, 1,207g/t Silver, and 35.1% Combined Pb+Zn+Cu**

Estes Park, Colorado, October 21, 2020 –Taranis Resources Inc. completed eight drill holes at Thor this summer, as well as road-cut sampling and geophysical surveys over the Ridge Target. Results of this work will be released as they become available. Scab Zone Field crews have located and sampled three previously unknown areas in the Scab Zone. The Scab Zone is an area contained within the Thor deposit that has previously been understood to be mineralized, but which cannot be safely drilled to meet NI43-101 standards due to extremely difficult terrain. As such, the Scab Zone was not included in the 2013 Roscoe Postle NI 43-101 Resource Estimate. Two areas (BBS-1 and BBS-2) were successfully channel sampled, but the width of the zone is only partially known as the base remains unexposed. These results confirm the Scab Zone is present on the side of the hill overlooking the True Fissure mill site, and that the zone has not been eroded away despite being exposed directly at surface. BBS-1 Outcrop Channel Sampling The first of the outcroppings is exposed south of True Fissure Creek and is comprised of a large area of quartz sulphide breccia. Sampling at this location yielded 3.05 m true thickness of 3.72g/t gold, 345 g/t silver, 0.07% copper, 2.24% lead and 0.38% zinc. The base of this zone was not exposed in the outcrop and the actual mineralization is possibly thicker. Mineralization consisted of massive quartz with large clots of pyrite, and subordinate amounts of tetrahedrite and galena.

Sample Number	BBS-1			South Side of True Fissure Creek					
	From (m)	To (m)	Interval (m)	Au (g/t)	Ag (g/t)	Cu(%)	Pb(%)	Zn(%)	
Top of Scab Zone	B001	0.00	0.53	0.53	1.65	241	0.08	0.02	0.39
	2301								
B0012302	0.53	0.95	0.42	0.87	0.72	0.00	0.02	0.01	
B0012303	0.95	1.58	0.63	4.13	315	0.07	0.06	0.30	
B0012304	1.58	2.21	0.63	5.87	711	0.16	5.23	1.05	
Bottom of Scab Zone	B001	2.21	3.05	0.84	4.54	332	0.02	4.14	0.11
exposed at surface	2305								
<b>Average</b>	<b>3.05 m</b>		<b>3.72</b>	<b>345</b>	<b>0.07</b>	<b>2.24</b>	<b>0.38</b>		



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### BBS-2 Outcrop Channel Sampling

20m north of the BBS-1 outcrop, and north of True Fissure Creek, another outcrop was found dominated by white quartz with large masses of pyrite and tetrahedrite. Sampling at this location yielded 2.52 m true thickness of 1.29 g/t gold, 72 g/t silver, 0.02% copper, 1.40% lead and 0.71% zinc.

Sample Number	BBS-2			North Side of True Fissure Creek					
	From (m)	To (m)	Interval (m)	Au (g/t)	Ag (g/t)	Cu(%)	Pb(%)	Zn(%)	
Top of Scab Zone	B0012306	0.00	0.63	0.63	4.02	209	0.06	3.47	1.35
B0012307	0.63	1.16	0.53	1.30	83	0.03	2.16	0.69	
B0012308	1.16	1.79	0.63	0.04	8.83	0.00	0.26	0.84	
Bottom of Scab Zone exposed at surface	B0012309	1.79	2.52	0.73	0.01	0.67	0.00	0.03	0.07
<b>Average</b>		<b>2.52</b>	<b>1.29</b>	<b>72</b>	<b>0.02</b>	<b>1.40</b>	<b>0.71</b>		

Similar to BBS-1, the base of the zone at BBS-2 is not exposed and the thickness of the zone could exceed the 2.52 m. Diamond drilling or additional trenching would be required to ascertain the entire thickness.

### Adit and Stockpile Located Up-Dip from BBS-2 (Results of Stockpile Grab Sampling)

A historic adit was discovered 32 m up-dip of the BBS-2 intercept, and a stockpile of high-grade material was found at the mouth of the collapsed adit. Three representative grab samples were taken from this dump, and the analytical data appears below. This data is useful to review as it shows the variability of metal content in the zone. By nature of grab sampling, the results have no thickness attributed to them, and the grades may not be representative of the in-situ material from which it is sourced. Diamond drilling, or re-opening of the adit will be required in this area to adequately determine accurate tenor and width of the Scab Zone at this location.

Sample Number	Weight (Kg)	Au (g/t)	Ag (g/t)	Cu(%)	Pb(%)	Zn(%)	Combined Cu+Pb+Zn(%)
B0012310	1.94	3.88	154	0.08	5.34	9.34	14.76
B0012311	2.03	16.50	494	1.50	7.46	26.18	35.14
B0012312	1.59	1.59	1,207	0.34	9.72	1.90	11.96

<https://www.jjgmining.com/>



September 24<sup>th</sup>, 2020

## **WEST HIGH YIELD EXPANDS GOLD PROGRAM ON ITS ROSSLAND GOLD CAMP PROPERTY**

West High Yield Resources Ltd. announces that the BC Ministry of Mines has granted the Company a drilling permit for the drilling of 22 drill holes of up to 600 metres per hole and an aggregate of 20,000 metres on the Company's Midnight Gold Claim located in the Rossland Gold Camp. The Rossland Gold Camp historically produced over 2.76 million ounces of recovered Gold and 3.52 million ounces of recovered Silver. Historical gold production and geological work and drill holes conducted by the Company's results reinforce the potential of the Midnight Claim.

The Company is utilizing the analysis from the 26 gold drill hole program conducted by the Company in 2009 on its Midnight Claim. All holes intersected a series of quartz veins and gold bearing serpentinites with significant gold values, notably hole MN09-15, which returned weighted average of 40.1 g/tonne over a true width of 2.3 metres including 198 g/tonne Au for a true width of 0.8 metres near surface (13.9 metres in drill depth) and hole MN09-24, which returned a weighted average of 25.16 g/tonne over a true width of 3.6 metres including 73.23 g/tonne Au for a true width of 1.2 metres.

Highlights of the 2009 Drill Program are set out below.

Hole	Depth (m)	From	To	Width (m)	Grade Au (g/t)	Comments
MN 09-4	123	31.3	39.4	8.1	12.2	Listwanized serpentinite 8 g/t Ag including 85.48 g/t Au and 58.2 g/t over 1 m
MN 09-6	121	13.6	26.8	13.2	7.40	Mixed Qtz + listwanized serp. 4.4 g/t Ag including 38.21 g/tonne Au & 53.3 g/tonne Au over 0.6 m & 0.5 m, respectively
MN 09 -15	106	13.9	18	4.1	40.11	Green serp. & soapstone (19.7 g/tonne Ag including 198 g/t Au over 0.8 m
MN 09-24	82	28.9	33.5	4.6	25.16	Mixed Qtz veins & serpentinite including 73.23 g/t Au over 1.5 m

Based on the previously released 2009 drill core results, the Company plans to further define the gold mineralization on its Midnight Claim in order to allow the Company to proceed with a mineral resource estimate pursuant to National Instrument 43-101.







September 25, 2020

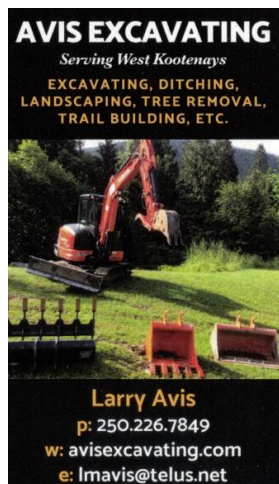
## **Ximen Completes Entranceway and Starts Laying Culvert at Kenville 257 Portal**

Ximen Mining Corp. is pleased to provide the following update on progress at the Kenville Gold Mine project in the Nelson mining camp in southern British Columbia.

Work on the 257 portal is progressing well. Steel supports have been installed and a new entrance has been timbered in place at the 257 Portal (see photo below).



Photo of new entrance installed in Kenville 257 Portal.



Work is now focused on laying bedding and placing the new steel culvert outside of the underground entrance (see photos below).




Photo of truck arriving at Kenville Mine carrying crushed gravel for culvert bedding




Photo of Kenville 257 Mine Level Portal and stockpile of crushed gravel for bedding (right).

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Photo of first section of culvert being placed outside of Kenville 257 Portal.

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September 28<sup>th</sup>, 2020

## **FIRST ENERGY METALS SELECT GRAB SAMPLES ASSAYED 4.42% ZINC AND 0.237% COBALT, AND 0.076% TUNGSTEN AT KOKANEE CREEK PROPERTY**

First Energy Metals Ltd. is pleased to announce that it has received assay results for over limit grab rock samples of its Kokanee Creek Property located in the southeastern British Columbia, Canada. The results were originally reported on September 7, 2020 news release indicating three samples for zinc and one sample for cobalt and tungsten over the laboratory's method detection limits. The Company requested the laboratory to reanalyze the over limit samples for zinc, cobalt and tungsten using a different method to get exact values.

### ***Highlights:***

- ☑ Zinc values in three over limit samples are in the range of 1.06% to 4.42% with average of 3 samples is 2.66%.
- ☑ Cobalt and tungsten values in Sample KK20-16R are 0.237% and 0.076% respectively using method AQ370.
- ☑ Samples KK20-02R and KK20-16R with silver results of 43 g/t were reanalyzed using fire assay method FA530 came back with values of 41 g/t and 38 g/t silver.

The July 2020 exploration work included prospecting to locate historical mineralization areas, carry out surface sampling, and mapping of veins and geological structures. A total of 27 grab rock samples were collected from various outcrops and mineralized areas mentioned in the historical exploration work reports. The results indicate anomalous values of silver, cobalt, tungsten, and zinc. The Company wants to caution that grab samples are selected samples and are not necessarily representative of the mineralization hosted on the property.

The samples were prepared and analyzed at ACME Analytical Laboratories (Bureau Veritas) in Vancouver, BC which is an independent accredited laboratory. Samples were prepared and analyzed using codes: PRP70-250- Crush, split and pulverize 250 g rock to 200 mesh; AQ252\_EXT 34 1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis 30g; AQ370 – ICP AES analysis (1g); FA430 – Gold by Lead Collection Fire Assay Fusion - AAS Finish 30 g; and FA530 – Silver by Lead collection fire assay fusion - Gravimetric finish (30 g). Two field duplicates were also inserted in the samples for quality assurance and quality control purposes (QA/QC).

During fieldwork at the Kokanee Creek Property in July 2020, a mineralization area with 2 kilometres by 500 meters dimensions was targeted where historical drilling in 1997 returned encouraging gold, silver, lead, or zinc mineralization at shallow depths. In this area, historical drill hole KC97-02 (Azimuth 052°/ Dip -45°) returned 26.11 grams per ton (g/t) gold over 0.7m from 7.0-7.7m, and 13.52 g/t gold over 1.4m from 21.8-23.2m. In addition, rock samples within the zone returned values of 3.54 percent (%) zinc, 4.22 g/t gold, and 48.0 g/t silver. A continuous chip rock sample taken along a road cut returned 0.3% zinc over 55 m, and 2.26 g/t gold over 5m.

<https://www.firstenergymetals.com/>



## Apex Resources Provides Exploration Update for its Ore Hill Gold Project, BC

Apex Resources Inc. ) is pleased to announce that 1,600 metres of NQ diamond drilling in 10 holes have been completed on its Ore Hill Gold Property in southeastern British Columbia. The drill program is testing a 1,500 metre-long, gold in soil anomaly where a preliminary, two-hole drill program in 2019 intersected several significant new gold zones including 289.97 g/t gold over 0.30 m (see Dec. 17, 2019 News Release).

A mapping and sampling program in 2017-2018 demonstrated the potential for widespread mineralization along the soil anomaly. The 2017-18 program returned gold values of 1.0 gram per tonne (g/t) gold or better for 33 surface grab samples taken along a 1,000-metre section of the soil anomaly. Fifteen of the samples returned greater than 10.0 g/t including 119 g/t (or 3.8 oz/ton) and 105 g/t Au (or 3.4 oz/ton) (see Dec. 17, 2019 News Release).

In the current program, drill stations are situated at 50- to 80-metre intervals along the soil anomaly. Drilling has now successfully tested a 500-metre section of the soil anomaly at 7 drill stations located between the historic Summit mine to the south and the historic Ore Hill mine to the north. The favourable geology trends through the area tested and the company plans to extend drilling to the south.

The core is presently being logged and split at the company's secure core storage facility in Salmo, B.C. by consulting geologists, Bernhardt Augsten P.Geo. and Patrick Williams P.Geo. The QA/QC samples are also being prepared, sealed and maintained in custody before being shipped via ground transport to the ALS Global - Geochemistry Analytical Lab in North Vancouver, BC, for analysis for gold and an additional 35 elements. The ALS facility is accredited to the ISO 9001:2015 standard for analytical methods.

The Ore Hill property is located in the historic Sheep Creek Gold Mining Camp. The Sheep Creek camp has reported historic production of 780,000 ounces of gold at an average grade of 14.4 g/t. Sheep Creek mineralization is comprised of high-grade gold veins similar to the Barkerville Gold camp located in a similar geologic setting 550 km to the northwest.

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