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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

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NEWSLETTER

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

From all of us at the Chamber we wish everyone a very Merry Christmas and all the best in the New Year!!



We will be open during the school holiday break so come on down and bring the kids to view our mineral specimens and to learn more about exploration.

You are always welcome to bring in specimens for identification.

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Apex Resources Intersects Gold Mineralization Including 289.97 g/t Gold Over 0.30 Metres at Ore Hill, BC

Apex Resources Inc. is pleased to announce it has received positive drilling results from the two 2019 diamond drill holes at its Ore Hill property in southeastern BC. Gold mineralization was intersected in both drill holes.

Of the 284 core sections assayed in the two drill holes results ranged from less than detection up to 289.97 g/t gold over 0.30 m.

Gold assays and intersection widths for the two NQ size diamond drill holes are summarized below. There is presently insufficient information to determine how intersection widths relate to true widths.

Gold Assays - Ore Hill Drill Holes OH19-01 & OH19-02

Hole ID	From (m)	To (m)	Length (m)	Gold (g/t)
OH19-1	27.6	41.0	13.4	1.13
Including	27.6	33.5	5.9	2.02
Including	27.6	29.1	1.5	6.84
Including	27.6	28.6	1.00	8.26
	92.6	92.9	0.30	7.49
	178.6	178.9	0.30	289.97
OH19-2	7.8	8.8	1.00	2.35
	62.0	63.08	1.08	3.00
	83.2	83.7	0.5	5.22
	190.9	191.2	0.3	7.87
	213.4	213.7	0.3	1.99
	222.7	223	0.3	1.01
	226.3	227.15	0.85	6.93
	235.1	237.2	2.1	1.54
Including	235.1	235.4	0.3	8.24

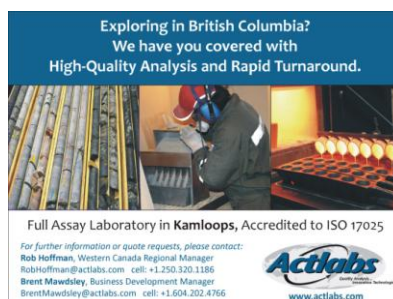
The two holes were drilled to test a 1,500 metre long gold-in-soil anomaly located along a north northeast trending structural zone (see News Release of Nov 14, 2018). Hole OH19-1 was collared at UTM coordinates 489407E 5441150N and drilled to a depth of 183 metres at a dip of -60o and a bearing of 160o. Hole OH19-2 was collared 41 metres southwest of OH19-1 and drilled to a depth of 245.9 metres at a dip of -45o and a bearing of 160o. The two holes intersected multiple zones of gold mineralization associated with a sheeted quartz vein system containing native gold and sporadic silver-lead-zinc values.

Hole OH19-2 was collared at the approximate location of a historic hole OH90-1 (see Aug 19, 2019 news release) and drilled parallel (160 azimuth) to the former hole at a dip of -45o. The historic hole was drilled at a dip of -60o. Reported gold grades from the two holes are similar. Initial interpretation of results from these two holes indicates a possible vein system dipping at 55o to the northwest. Additional drilling will be required to confirm this. The 1990 drill hole results cannot be verified by the company and will be used only to assist in future exploration targeting. Significant assays for hole OH90-1 are given below:

Ore Hill Drill Hole 90-1 UTM 489400E 541165N

Hole ID	From (m)	To (m)	Sample Length (m)	Gold (g/t)
OH90-1	45.72	48.77	3.05	0.72
	67.05	70.10	3.05	8.09
	210.3	216.40	6.10	2.91
Including	210.3	212.1	1.90	8.49
and	211.8	212.1	0.30	33.31
	235.6	236.2	0.60	12.74
	257.6	260.3	2.70	4.39

(Assays are taken from 1990 Ore Hill drill hole log by D.L. Cooke and Associates.)



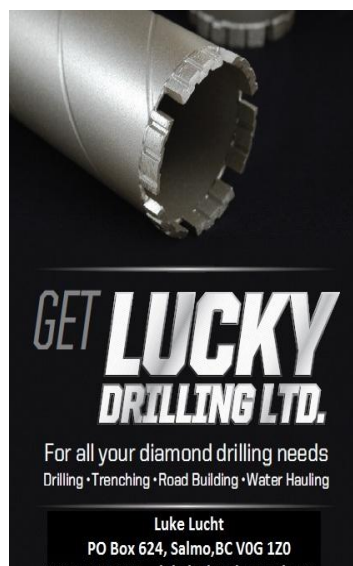
The Ore Hill property was first staked in 1901 and had sporadic production from 1906 to 1940 at an average grade of 34.6 g/t gold (BC Minfile 82FSW054 & 082FSW053). The property is situated 42 km south of Nelson, B.C. at the south end of the Sheep Creek Gold Camp. Sheep Creek is a high-grade orogenic gold district similar to the Barkerville Camp (Geoscience BC Report 2017-15).

Arthur Troup President and CEO states "It's very encouraging to obtain significant results from our initial two drill holes on this property. The 2019 drill program indicates potential for multiple zones of elevated gold grades within a broad structural zone associated with a 1,500 metre long gold-in-soil anomaly. We are looking forward to continuing our exploration program at Ore Hill in 2020."

2020 Exploration Program

In 2020, the company plans for continued exploration at Ore Hill. The scale of the exploration program is dependent upon completion of financing. All permits are in place for an expanded drill program which will commence upon completion of a structural geological mapping program to assist with fine tuning the drill target areas. Drilling will step out from these initial 2 holes to test the strike and down-dip extension of the gold mineralization encountered during the 2019 program.

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





Ximen Mining Reports Further Drill Assays Gold Drop Historic Greenwood Mining Camp

Ximen Mining Corp. is pleased to announce assay results from holes drilled this season by its option partner GGX Gold Corp. at the Gold Drop property in the Greenwood Mining Camp.

This year, a total 49 holes (3,160 metres) were drilled in to test the C.O.D. and C.O.D. North veins, and 719 metres in Hole AMT19-01 to test a large geophysical anomaly. Holes COD19-34 to 43 were drilled on the C.O.D. North Vein. Significant results for samples collected from holes COD19-28 to COD19-48 are provided in the tables below.

Of the 21 holes reported, eight holes intersected significant gold mineralization, and eight of the intercepts graded better than 15 grams per tonne gold with elevated silver (up to 796 grams per tonne Ag) and tellurium values (up to 700 grams per tonne Te). One of the holes on the C.O.D North vein intersected significant gold mineralization. The results provide further confidence in the potential for economic mineralization in the COD veins at the Gold Drop property, and the results add to the list of mineralized intercepts disclosed previously.

Hole	From	To	Length (m)	Gold (g/t)	Silver (g/t)	Tellurium (ppm)	Description
COD19-29	41.24	41.88	0.64	3.98	38.3	23.0	Quartz vein, pyrite
COD19-29	43.61	44.00	0.39	8.74	94.7	55.1	Quartz veinlet + altered rock
COD19-30	40.36	40.85	0.49	42.00	465.0	403.0	Quartz vein, pyrite, telluride
COD19-30	40.85	41.43	0.58	9.60	107.0	76.5	Quartz vein, pyrite, telluride
COD19-31	36.45	36.98	0.53	20.90	220.0	163.0	Quartz vein, pyrite
COD19-31	36.98	37.45	0.47	17.80	160.0	132.5	Quartz vein, pyrite, telluride
COD19-38	36.05	36.49	0.44	5.65	38.8	26.3	Quartz veinlet + altered rock
COD19-38	36.49	36.80	0.31	1.11	7.6	5.5	altered rock, pyrite



COD19-38	38.39	38.71	0.32	58.30	384.0	355.0	Quartz vein, pyrite, telluride
COD19-45	49.45	50.00	0.55	21.20	224.0	133.5	Quartz vein, pyrite, telluride
COD19-45	50.00	50.50	0.50	9.70	69.4	48.3	Quartz vein, pyrite
COD19-45	50.50	51.00	0.50	2.30	23.9	13.9	Quartz vein, pyrite
COD19-45	51.00	51.44	0.44	2.65	75.1	26.9	Quartz vein, pyrite
COD19-46	32.52	33.00	0.48	41.20	431.0	314.0	Quartz vein, pyrite, telluride
COD19-46	33.00	33.50	0.50	84.70	769.0	700.0	Quartz vein, pyrite, telluride
COD19-47	29.74	30.09	0.35	74.90	796.0	700.0	Quartz vein, gold, pyrite, telluride
COD19-48	27.54	28.00	0.46	7.88	78.0	54.4	Quartz vein, pyrite

Abbreviations: m=meters, g/t = grams per tonne, ppm = parts per million (equivalent to grams per tonne)

Note: The lengths reported in the table above are core interval lengths and not true widths. There is insufficient information at this time to estimate true widths.

The weighted average grades for the intercepts in holes 30, 38, 45, and 46 are as follows:

Hole	From	To	Length (m)	Gold (g/t)	Silver (g/t)	Tellurium (ppm)	Description
COD19-30	40.36	41.43	1.07	24.44	270.9	226.0	Quartz vein, pyrite, telluride
COD19-38	36.05	36.80	0.75	3.77	25.9	17.7	Quartz veinlet + altered rock
COD19-45	49.45	51.44	1.99	9.46	102.0	58.5	Quartz vein, pyrite, telluride
COD19-46	32.52	34.00	1.48	42.81	404.8	342.8	Quartz vein, pyrite, telluride

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Chamber report by Brad Gretchev:

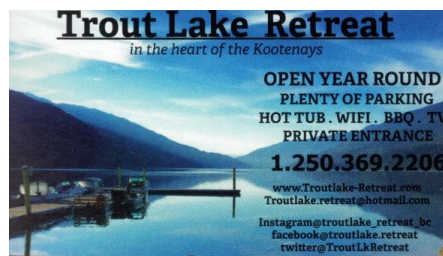
December has been another busy month at the Chamber. We continue to have classes coming through to learn about the importance of minerals in our everyday lives and how exploration for those minerals is done.

We had a great time at our Annual Christmas Party!

Congratulations to John Murray for receiving his lifetime membership!



Let's make the 2020's a great decade for mining and exploration in British Columbia!!



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December 6th, 2019

GGX Gold Intersects 235 metres of Magnetite Mineralization at Geophysical Target

GGX Gold Corp. is pleased to provide an update on its last drill hole that tested a large, deep geophysical anomaly at its Gold Drop property in the Greenwood Mining Camp.

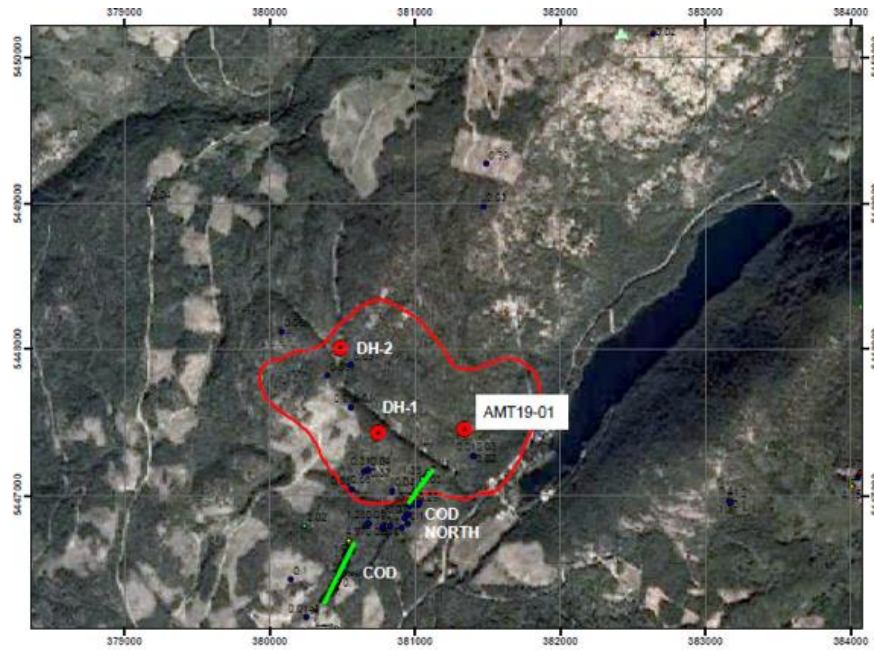
As previously announced in a news release dated July 24, an airborne audio magnetotelluric (AMT) geophysical anomaly was identified on the property by Earth Science Services Corporation of Oshawa, Ontario (ESSCO). The anomaly is interpreted as a pipe-like structure that measures 1834 by 1377 metres in width. For more information, see the video posted on the corporate website.

The last hole drilled on the Gold Drop property in 2019, Hole AMT19-01, tested this geophysical feature and was completed to a depth of 718.8 metres (2,358 feet) on October 21. This hole was one of three holes proposed to test the feature (the other two holes will be permitted in 2020). As described in a previous news release, the hole intersected calc-silicate alteration (patches of epidote-calcite-garnet) and disseminated magnetite mineralization starting at 479 meters depth. The magnetite mineralization continues to 714.8 metres depth, for a total mineralized interval of over 235 metres. Magnetite varies in abundance, being strongest within greenstone and weakest in cherty host rocks (and absent in rhyolite and porphyry dikes). Magnetite was not detected in only the last 4 metres of the hole, which passed through cherty argillite and a 1 metre thick porphyry dike. This last 4 metres could be a weakly mineralized interval in which case additional mineralization could lie below the bottom of the hole. Minor visible sulphide mineralization was observed between 699.4 and 714.8 metres depth, consisting of iron sulphides (pyrite and pyrrhotite), possibly indicating a gradation to sulphide mineralization.



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Location of hole AMT19-01 within geophysical anomaly (red) and location of C.O.D. veins (green).

The first appearance of strong magnetite mineralization at 479 meters closely corresponds to the predicted start of the modeled anomalous zone (the start of the zone was predicted at 441 metres depth by ESSCO) so it appears the magnetite mineralization is the source of the geophysical anomaly.

The origin of the magnetite mineralization remains unexplained. It's style of occurrence and association with calc-silicate alteration suggests a hydrothermal genesis, possibly sourced from an underlying intrusion. Magnetite is commonly associated with skarn-type copper-gold deposits that are formed by replacement of limestone, an important deposit type in the Greenwood camp with the largest being the Phoenix and Motherlode deposits. The Phoenix produced 28,341 kg of gold, 183,036 kg of silver and 235,693 tonnes of copper and the Motherlode produced 6,648 kg gold, 22,083 kg silver, and 34,918 tonnes copper. However, there is no major limestone unit known in the vicinity of this deep drill hole at Gold Drop.

For hole AMT19-01, the core assays are pending, and petrography will be conducted on selected samples to aid in mineral identification. For the geophysical anomaly, further refinement of the model may be useful prior to drilling another hole next year.



Obituary**Sanders, Harry James*****May 30, 1924 - December 8, 2019***

It is with deep sadness that we announce the passing of our father Harry Sanders. Dad was born to Harvey and Velma Sanders in Ruthilda Saskatchewan. He is predeceased by his father Harvey Sanders and his mother Velma Sanders, his sister Viola Smith and two brothers, Russel and Gordon Sanders and his Wife Vida Sanders in 2012.

Dad spent his childhood growing up in Saskatchewan, Innisfail, Alberta and Balfour, B.C. Dad married mom on December 5, 1947. He worked for Caminco in Trail before join the Air Force, serving overseas during World War 2. Dad worked for the City of Nelson Public Works. He then was self employed over the years as equipment owner/ operator and scrap metal dealer. He spent his later years in Britannia Beach where he developed a machine that recovered the fine gold from old tailings from previous mining. There wasn't much that Dad could not do.

Dad is survived by his four daughters Ronna Wapple of Nelson, Nina Wapple of Nelson, Terry Riley of Kaslo, and Sheila Sanders, of Pass Greek six grandchildren, 14 great grandchildren and two great-great grandchildren. One sister Iris Turner and three Brother Ron, Ray and Gary.

There will be a celebration of life in the spring, date to be announced.

Obituary

Avino Mourns the Passing of Senior Mining Advisor Fred Sveinson

Avino Silver & Gold Mines Ltd. today sadly announces the passing of Fred Sveinson who served as the Senior Mining Advisor to Bralorne, and a member of the Avino management team.

Armed with his degree in mining engineering from the University of Saskatchewan in 1970, Fred launched a career in the mining industry spanning 49 years, working internationally and in Canada in the exploration, development, construction, operation and financing of underground mining projects. He held senior positions with mining companies, consulting firms and mine contractors. Some 25 years ago he was bitten by the “junior” bug and subsequently co-founded several companies. He served as CEO and director for a number of junior companies, while continuing to consult for projects in Canada, Russia, the United States, Central and South America.

He is survived by his wife, two sons, his adored grandchildren, sister, 4 brothers and their families.

We were incredibly fortunate to have had Fred serve as Senior Mining Advisor to Bralorne and as a member of the Avino management team for the last 4 years. He was a great supporter of Avino and the Bralorne Gold Mine, a mentor for many, and his positive outlook, time, and energy were valued by all of us. He will be so very missed by our Board of Directors, Avino’s Management team and all staff at the Corporate office in Vancouver and at the Bralorne Gold Mine. Fred was a wealth of knowledge to Avino and we will miss him greatly. Our thoughts are with Fred’s family during this difficult time.

David Wolfin – President & CEO, Avino Silver & Gold Mines Ltd.

A Celebration of Life will be held for Fred on Saturday, January 11, 2020 at 1:00 at the Richmond Funeral Home, 8420 Cambie Road, Richmond, BC.

**WE RELY ON THE SUPPORT OF OUR MEMBERS.
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THANKS FOR YOUR SUPPORT ----- Chamber of Mines of Eastern BC

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