



October 2020

What's up in Sweden

EXPLORATION NEWSLETTER

EXPLORATION NEWS

Barsele Minerals Corp provided on July 20 an update regarding ongoing exploration activities within the Barsele Gold-VMS Project area. The exploration program is operated by joint venture partner **Agnico Eagle Mines Limited**. Gravity and magnetic surveying, plus base of till sampling, along with a large surface till sampling campaign has been carried out. Site personnel have also been focused on the project database, with emphasis on litho-geochemical and structural reinterpretation of all pre-2020 drill core, towards vectoring in on sectors of the Avan-Central-Skiråsen zones, exhibiting superior gold grades. Furthermore, initial studies related to spectroscopic ore/waste sorting has been undertaken.

Dragon Mining Limited advised on March 16 that the Mineral Resource and Ore Reserve estimates for the Company's Fäboliden Gold Mine have been updated. The update of the Mineral Resource returned a total of 11 Mt grading 3.0 g/t gold for 1,100 kozs as at 31 December 2019. In an interim report for the half year ended June 30, **Dragon** announced that the test-mining program recommenced at Fäboliden in June 2020, with gold production to recommence in September 2020.

On July 29, **EMX Royalty Corporation** announced field programs are underway on **Gold Line Resources'** five project areas in the "Gold Line" region. Current work includes mapping, extensive geochemical surveys using a variety of proven techniques and top-of-bedrock drilling, with a goal of refining drill site selections for upcoming diamond drill campaigns.

New Dimension Resources Ltd announced on August 11 that it has now cemented its diversification strategy by executing an option and purchase agreement with **EMX Royalty Corporation** for the acquisition of 100% interests in the Southern Gold Line Project. The Southern Gold Line project consists of a group of licences adjacent to **Dragon Mining Limited's** Fäboliden gold development project.

District Metals Corp provided on August 11 an update on the historical drill data compilation work, and the Leapfrog 3D geological model of the historic Tomtebo Mine in the Bergslagen District. Historic drill highlights reveal shallow and high-grade copper mineralization from near surface to a depth of 200 m that remains open along strike and at depth. **District Metals** announced on September 2 that an airborne electromagnetic and magnetic survey has commenced on the Tomtebo Property.

Sienna Resources Inc announced on July 15 the receipt of assay results from its drill program on the Slättberg nickel-copper-PGE project. The program consisted of three

diamond drill holes totalling 707.9 m. All three holes intersected nickel-rich sulfide mineralization, including mineralization present in veins and in sulfide-matrix breccias, like styles of mineralization seen in earlier drill holes. The results demonstrate that mineralization continues at depth in key target areas on the property.

On September 1, **Boreal Metals Corp** announced that **Boreal** is conducting soil sampling at the past producing Fredriksson Mine on its silver-zinc-lead-gold Gumsberg Project as part of an ongoing initiative to advance the target to drill testing.

On March 30, **Gungnir** reported 50.91 g/t PGE's and 2.13% nickel over 0.45 m at its Lappvattnet property. Results are from initial resampling of archived drill core in advance of plans to update the historic resource at Lappvattnet and to evaluate the grade and distribution of PGE's. **Gungnir** reported on July 8 up to 4.64% nickel over 0.65 m at Lappvattnet. Results are from resampling of archived drill core at the Lappvattnet nickel deposit. On July 14 **Gungnir** reported final resampling results of archived drill core. Results from the Rörmyrberget nickel deposit include 2.33% nickel over 12.50 m, including 3.00% Nickel over 5.10 m and 1.51% Nickel over 13.05 m, including 3.01% Nickel over 3.85 m. **Gungnir** reported on August 7 that on-going drilling at the Knaften project has significantly expanded mineralization at the Knaften 300 Gold Zone. Mineralization now extends down-dip for a distance of more than 400 m and remains completely open in all directions.

Leading Edge Materials Corp announced on August 27 that **SRK Consulting (UK) Limited** is commissioned to produce a Preliminary Economic Assessment study on the Norra Kärr heavy rare earth element project to include the additional potential of by-product revenues and associated reduced environmental footprint. In 2015 a Pre-Feasibility Study was completed on the Project which only presented rare earth elements as an economic product. However, a range of opportunities were identified to convert much of the discarded mined materials into products for sale.

In an exploration update on June 22, **Mandalay Resources** announced that the understanding of the Aurora system has been augmented by additional drill holes. Underground drilling to the east and at depth has intercepted high grades including 9.7g/t Au over 4.3 m in one hole and 14.5 g/t Au over 1.07 m in a second hole. The northern extension drilling is continuing to intercept high grade within Aurora style mineralization along multiple horizons, sitting above the marble, to the north. Although the program is still relatively in its infancy, 3 zones of mineralization are becoming apparent with grades, such as 26.9 g/t Au over 0.61 m in one drill hole.

Copperstone Resources AB announced on June 25 results from its first phase drilling campaign at the Viscaria project. The total drill campaign covered almost 8,000 m out of the planned 22,000 m pre-mine drillings. The results demonstrate significant intersections of copper inside as well as outside the mineral resource boundary.

Alicanto Minerals advised on September 15 that drilling has started at its Greater Falun copper-gold project in the Bergslagen region. The 4,000 m diamond drilling program will test new targets and seek to establish extensions to known mineralisation located in the vicinity of major copper gold systems.

In an Interim report for January to June 2020, **Nordic Iron Ore AB** announced the commissioning of an optimisation study from **Whittle Consulting** of the project in Blötberget. The study is based on a feasibility study and simulates alternative ways of adapting operations and the design of the facility.

Talga Resources Ltd advised on August 5 the outcome of feasibility work and studies completed on its Vittangi Anode Project. **Talga** plans to accelerate its growth strategy to meet demand for anode materials. This enables the Company to progress directly to commercial anode production of 19,000 t per annum with commencement of construction in 2022 and production in 2023, as outlined in the Pre-Feasibility-Study. The Vittangi Anode Project Definitive Feasibility-Study is solely based on open-pit development of the Nunasvaara South graphite deposit under which development applications have been submitted. In addition, a scoping study is running in parallel on the large Niska discovery just to the north including open-pit and underground mining options, that will be considered to amalgamate with Nunasvaara South in the future.

MINING NEWS

In a Q2 report **Boliden** announced that Aitik's milled volume was higher than both the previous quarter and last year. Copper grade reached 0.25% (0.27). The gold grade of 0.13 g/tonne (0.14) increased compared to the previous quarter, which resulted in higher gold production compared to the first quarter but lower than last year. The Boliden Area's milled volume decreased slightly compared to both the previous quarter and last year due to a higher proportion of ore from Kankberg, which requires longer processing time. Last year's production included milled volumes from Maurliden, which was mined for the last time in April 2019. Lower grades as a result of a change in the ore mix had a negative effect on zinc, lead and silver production. However, the

opposite was true for gold. A new record in Garpenberg's milled volume was achieved. However, zinc production was on par with the previous quarter and increased only slightly on an annual basis as a result of lower grade. Silver production was also affected by lower grade. In 2020, zinc content is anticipated to reach 3.7% (4.1) on average and silver grade 100 g/t (118).

In an Interim Report for Q2 **LKAB** announced that the production volume for the second quarter decreased by 0.2 Mt in a year-on-year comparison. The decrease is mainly an effect of extended maintenance shutdowns and, to a certain extent, production disruption due to Covid-19. A five-day stoppage on the Ore Railway affected delivery volumes for the quarter, which decreased by 0.1 Mt and amounted to 6.6 (6.7) Mt, with pellets accounting for 83 (84) percent. The production volume for the first half of the year increased by 0.7 Mt in a year-on-year comparison. The increase is primarily an effect of more stable production in 2020 and the fact that the pelletising plant in Svappavaara was shut down for maintenance at the start of 2019. Deliveries increased in the first half of the year by 1.1 Mt and amounted to 13.9 (12.8) Mt, with pellets accounting for 86 (85) percent.

Mandalay Resources Corporation announced on July 9 its production results for the second quarter of 2020. Production at Björkdal was 11,250 ounces of gold in the second quarter of 2020, as compared to 14,243 ounces of gold in the second quarter of 2019. Production at Björkdal was 22,000 ounces gold for the six Months Ended June 30, 2020.

Lundin Mining Corporation reported on July 29 Second Quarter results. At Zinkgruvan, zinc production of 12,596 tonnes and lead production of 3,799 tonnes was lower than the prior year quarter due to grades and lower throughput as a result of the sequencing of copper production. Zinc cash costs of \$0.56/lb were higher than the prior year quarter as a result of lower sales volumes and by-product credit metal prices.

In a Q2 report **Lovisagruvan AB** announced that within the quarter, two boatloads of 9,139 t of sorted ore were delivered to Boleslaw in Poland. The production of ore amounted to an estimated 10,008 t (9,734), an increase of 3%. 7,997 t of ore were mined during the quarter (0). In addition to the nearby Håkansboda deposit, two exploration objects within the Lovisagruvan exploration permit are prioritized. These will be subject of exploration drilling.