

## Exploration news

On October 13, **Alicanto Minerals Limited** announced that drilling at Sala has returned high-grade zinc and silver intersections. The results include:

- 3.9 m @ 313 g/t Ag, 3.2% Pb and 9.6% Zn including 1 m @ 663g/t Ag, 5.8% Zn and 6.7% Pb
- 14.0 m @ 30 g/t Ag and 7.6% Zn including 4.7 m @ 47g/t Ag and 13.6% Zn including 1.1 m at 41% Zn and 17 g/t Ag

Alicanto advised on January 31 in a quarterly activities report that results from drilling at Sala will form part of a maiden resource in coming months.

**Anglesey Mining plc** announced on December 9 that Anglesey engaged **Micon International** to undertake an update on the 2012 Pre-Feasibility Study (PFS) to investigate the re-opening of the Grängesberg Iron Ore Project.

**Barsele Minerals Corp** announced on November 10 that the **Geological Survey of Sweden** has designated the land area hosting the Avan-Central-Skiråsen "Orogenic Gold" system, as well as the land area surrounding the Norra "VMS" deposit, an area of National Interest for mineral deposits. Barsele Minerals Corp announced on December 21 that diamond drilling from June through July, totaled 3,094 m in 18 completed/extended core holes. Barsele Minerals Corp announced on January 13 that a high-grade boulder assaying 90.8 g/t Au was found.

**Bluelake Mineral AB** announced on November 24 that **SRK Consulting AB** has completed a mineral resource estimate

for the Stekenjokk-Levi copper and zinc project in conformance with the CIM Mineral Resource and Reserve Guidelines (2019), stating inferred mineral resources of 6.7 Mt with 0.9 % Cu, 2.7 % Zn, 0.6 % Pb, 55 g/t Ag and 0.2 g/t Au for Stekenjokk and inferred mineral resources of 5.1 Mt with 1 % Cu, 1.5 % Zn, 0.1 % Pb, 22 g/t Ag and 0.2 g/t Au for Levi.

**Botnia Exploration** announced on October 6 that the environmental permit that Botnia received December 2020 has now gained legal force. On October 29, Botnia signed a letter of intent with **Veidekke Entreprenad AB** to enter into contract agreements regarding preparatory work for opening of mine and operation of the gold mine Fäbodtjärn.

**District Metals Corp** reported on November 22 assay results for the first three drill holes from the Phase II drill program at the polymetallic Tomtebo Property. One hole encountered 11.0 m of massive sulphide mineralization (211.4 to 222.4 m). District Metals reported on January 10 and on January 18 assay results from grab and chip rock samples recovered from its polymetallic Svärdsjö Property and polymetallic Gruvberget Project in the Bergslagen Mining District.

**Gold Line Resources Ltd** announced on December 27 initial results from its maiden drill program at the Company's Paubäcken Project. Data from three of the five holes have been certified and received, and the Company report an intercept of 22.5 m core length averaging 2.40 g/t Au; including a higher grade zone of 9.5 m averaging 4.6 g/t Au beginning at 46.5 m.

In a project update for Q4, **Pallas Minerals Ltd** announced that modelling of the Central Zone at the Bottenbäcken project from 31 holes and 2 holes in the extreme southeast end of the Central Zone with Cu mineralization indicates Cu-Pd-Au mineralization over a length of 3 km, maximum depth 75 m.

**Grängesberg Exploration Holding AB** presented on January 19 the results of a completed Pre-feasibility study of the conditions for the resumption of production in the Dannemora mine. An updated estimate of mineral resources for the mine compliant with JORC 2012 amounts to 28.19 Mt with 36.54% Fe measured and indicated assets; and 5.82 Mt with 33.61% Fe, inferred assets. The probable ore reserves are estimated at 25.36 Mt with 33.44% Fe at a cut-off of 15%.

**Gungnir Resources Inc** announced on February 9 that the drill program at Lapvattnet delivered consistent shallow drill hits of high-grade and wide-grade nickel mineralization. Fourteen of the fifteen holes drilled demonstrated continuity of the inferred resource, ten of which expanded nickel mineralization outside of the 2020 resource block. Some highlights assays from 2021 include 3.19% Ni over 4.25 m within a 10.4-m interval grading 1.51% Ni in one drill hole and 2.62% Ni over 5.65 m within a 14.0-m interval grading 1.40% Ni in a second drill hole. In a third drill hole 36 m grading 0.93% Nickel was confirmed.

**Province Resources Limited** provided on December 9 an update on the Skåne Vanadium project. It is anticipated that a metallurgical testwork programme will be completed in Q1 2022, with a Scoping Study anticipated to be com-

pleted in Q2. The Company will release material results during these periods as they are received.

**Ragnar Metals Limited** advised on February 17 that it has completed its Stage 2 diamond core drilling program at the Granmuren Deeps nickel-copper discovery within the Company's Tullsta Nickel Project. One core hole intersected ~145 m of extensive magmatic Ni-Cu mineralisation comprising massive, semi-massive, matrix and coarse blebby sulphides.

**Talga Group Ltd** reported on March 3 results from Talga's 2021 Vittangi drilling, confirming a new deposit at Nunasvaara East and extending the Niska South deposit. A revision of the Vittangi JORC Mineral Resource has commenced.

**United Lithium Corp** announced on January 20 completion of 42 core drill holes at the Bergby Lithium project. New spodumene bearing pegmatites were discovered. The Discovery hole intersected 47.75m of 1.34% Li<sub>2</sub>O from 2.25 m. On January 26, United Lithium announced that the pegmatites have been delineated over a strike length of more than 225 m and remains open along strike.

## Sustainability news

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**Boliden** announced on November 18 that **LKAB** and Boliden have signed an agreement and will begin to investigate the possibility of extracting pyrite concentrate from mining waste at the Aitik mine, which **LKAB** will subsequently process into fossil-free sulphuric acid. The sulphuric acid will then be used in processes for extracting rare earth elements and phosphorus from **LKAB**'s mining waste.

## Mining news

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In a Q4 report **Boliden** announced that Aitik's production of copper in concentrate increased compared to the previous quarter and the fourth quarter

of 2020. The copper grade was 0.23% (0.25), and the gold grade was 0.12 g/t (0.16). The average copper grade in 2022 is expected to reach 0.20% and gold grades 0.10 g/t. The Boliden Area's Lower grades and lower production in Kankberg led to lower gold grades in the Boliden area compared year-over-year as well as to the previous quarter. At Garpenberg an environmental permit for increased production was received. It allowed capacity reinforcements with the aim of achieving a production volume of 3.3 Mt in 2023. The zinc grade during the fourth quarter was 3.7% (3.8), and the silver grade was 105 g/t (123). The average zinc grade in 2022 is anticipated to reach 3.6% and the silver grade 110 g/t.

In a year-end report for the fourth quarter, **LKAB** announced that the production volume for the full year amounted to 26.7 (27.1) Mt. **LKAB** announced on March 10 that the iron ore reserves in Kiruna increase from about 700 to more than 800 Mt, which means that the life expectancy of the current 1365 main level is extended from 2035 to 2046. In Malmberget the reserves increase by 30 Mt to about 300 Mt. Mineral resources of rare earth metals in Kiruna are 1.4 Bt with an average content of 163 ppm. In Malmberget there is an equivalent volume, but the average content of rare earth metals is 227 ppm.

On January 13, **Kaunis Iron AB** announced that The Land and Environment Court decides in its judgment that the company can continue with its current operations. The requirement to completely revoke the permit issued by the Environmental Protection Agency is thus denied by the court. The ruling limits increased production within the framework of the current permit to 7 Mt annually, which corresponds to the current production level.

**Leading Edge Materials Corp** announced on February 11 that it has initiated an internal review focused on the potential to restart production at the Company's fully-owned Woxna graphite mine.

In a Q4 and full year report **Lundin Mining** announced that zinc production of 77,766 t exceeded guidance as well as the previous year due to higher grades. Lead production (22,183 t) was lower than the prior year, impacted by grades and recoveries.

**Mandalay Resources** announced on February 24, that the Björkdal gold mine produced 11,190 ounces of gold in the fourth quarter of 2021.

**Nordic Iron Ore AB** announced on February 11 that it has signed a Memorandum of Understanding with **Cargill Incorporated** to negotiate a long-term offtake agreement for high grade iron ore concentrate from its Blötberget project as well as setting out the possible terms for Cargill to provide a 50 million SEK investment into the company as part of a wider capital raise of at least 100 million SEK.

## News from SGU

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New reports:

Bergslagen, etapp 1. Profilkartering av berggrunden i området Sala-Jugansbo, SGU-rapport 2022:01.

Malmer, industriella mineral och bergarter i Surahammar, Köping, Västerås, Arboga och Kungsör kommuner, Västmanlands län. Rapporter och meddelanden 150.

Malmer, industriella mineral och bergarter i Sala kommun, Västmanlands län, Rapporter och meddelanden 149.

Malmer, industriella mineral och bergarter i Heby kommun, Uppsala län. Rapporter och meddelanden 148.