

Pilot Plant Project to Produce Battery Metals Yields Positive First Steps

written by InvestorNews | March 26, 2021

Last week, [Canada Silver Cobalt Works Inc.](#) (TSXV: CCW | OTC: CCWOF) (“CCW”) announced that [bench-scale test work](#) has yielded positive results in producing a concentrate required for its Re-20x process.

In addition to owning a silver-cobalt exploration project, CCW also owns a proprietary hydrometallurgical process known as Re-20X that can process mineral concentrates into cobalt sulphate, an important component for making Electric Vehicle (“EV”) batteries.

Re-20X Process

The environmentally-friendly Re-20X process, bypasses the smelting process, to produce a cobalt sulphate hexahydrate from feed material such as mineral ore, tailings or recycled batteries.

While the Re-20X process recovers cobalt, manganese, nickel, silver and other metals, it can also remove toxic compounds. The recovered metals can be sold without smelting or further processing.

In 2018, the Company extracted an 82-kg sample of vein material from its Castle Mine in northern Ontario, Canada and sent it to SGS Laboratories in Lakefield, Ontario.

The vein material was processed into cobalt-rich gravity concentrates and then run through the Re-20X process. The

process produced EV battery-grade cobalt sulphate at 22.6% cobalt that exceeded the specifications required by battery manufacturers at that time.

The Re-20X process recovered 99% of the cobalt, 81% of the nickel and 84% of the manganese from the concentrate and, importantly, removed 99% of the arsenic.



[SOURCE:](#)

Battery Metal Pilot Plant Underway

CCW is now working with SGS on a Pilot plant to scale up the Re-20X process for the production of cobalt-nickel-rich gravity concentrates. The Company believes the process can be an economic method of producing, locally sourced, client-specific battery metals for the North American EV market.

The plan calls for the Pilot plant to be built and operated by SGS in Lakefield, Ontario and use silver-cobalt ore from the region including the Castle Mine property.

In May 2020, CCW released a maiden [NI 43-101 mineral resource estimate](#) for the Castle Mine project of 27,400 tonnes of material at an average silver grade of 8,582 g/t (250.2 oz/ton) for a total of 7.56 million Inferred ounces, and 2.54 million cobalt ounces at a grade of 3,260 g/t cobalt.

Frank Basa, CEO and Director commented, “The economics of harvesting both the base metals and silver, then adding value by processing it into premium EV battery metals will provide the Company with two solid income streams and we are excited for the future as the High-Grade and Technology Leader in Canada’s Silver Cobalt Heartland.”

Battery Recycling Using the Re-20x Process

Earlier this month, CCW announced that it has begun studies at SGS Canada to use the Re-20x process to [extract minerals from old batteries](#). The Re-20x process is adaptable to recover rare earth metals from lithium-ion, nickel-hydride and nickel-cadmium batteries.

“We strongly considered this initiative a few years ago but initial research turned up a lack of feedstock at that time, but this has now changed. With feedstock currently available and coupled with the Re-20x process, the path is clear for the Company to develop what can be a robust and ever-increasing potential income stream by providing future tolling services for the treatment of used batteries,” remarked Frank Basa.

Acquiring EV Properties with the Potential for a Spin-out Battery Metals Company

Last month, CCW announced the acquisition of 39,200 hectares of EV properties in Quebec and Ontario.

The Company also reported that it was their intention to transfer the properties to another public company, in order to capitalize on the current EV market, and to dividend the shares to CCW's existing shareholders.

Final Thoughts

CCW's is focusing on becoming a producer of both silver, cobalt and other battery metals for the North American EV market. With its high-grade silver-cobalt mine and Re-20X process, the Company is well positioned to become a Canadian leader in the production of silver, cobalt and other metals used in the EV industry.

CCW closed yesterday at C\$0.46 with a market cap of C\$56.0

million.

Canada Silver Cobalt Works finds gold as they progress towards silver production at Castle property

written by InvestorNews | March 26, 2021

Finding cobalt is good, finding silver is great, but finding gold is the best. One Company has managed to find all three valuable metals on their Castle Property in Canada.

The Company is [Canada Silver Cobalt Works Inc.](#) (TSXV: CCW | OTCQB: CCWOF) ('Canada Silver Cobalt'). Canada Silver Cobalt 100% owns the past producing Castle Mine and the 78 sq. km Castle Property in the Northern Ontario Silver-Cobalt Camp in Canada.



Source: [Company presentation](#)

Canada Silver Cobalt finds new gold, cobalt, and silver

On December 17, 2020, Canada Silver Cobalt [announced](#) that they had intersected high-grade gold mineralisation with cobalt within the high-grade silver-cobalt mineralized vein structures at the Castle property. This really is good news with gold (Au) trading at [US\\$1,920/oz](#), cobalt (Co) at [US\\$15.42/lb](#), and silver

(Ag) at [US\\$27.05/oz.](#)

Clearly Canada Silver Cobalt is excited as drilling continues around the clock, seven days a week with 2 drills. A 50,000-meter drill program is in place of which 18,000 meters have been completed. Below are some of the results, the highlight being the **24.95 g/t gold finding over 0.3m.**

Canada Silver Cobalt Works finds gold



[Source](#)

Matt Halliday, P.Geo., Canada Silver Cobalt's President, [commented](#):

"Hole CS-20-25 is confirming the working hypothesis regarding the potential correlation between the gold mineralization in the Robinson Zone and that previously identified in the gold zone immediately west of the Robinson where substantial Archean alteration typically associated with gold mineralisation has been recorded. Significantly, in hole CS-20-31, a gold structure within the Robinson Zone, that is associated with the silver-cobalt veins of the diabase, has been identified. Given the reports from this historic Camp of silver bars containing recoverable amounts of gold, **this newly identified gold mineralization is extremely exciting.** Additionally, CS-20-31 has visible gold near surface. This, and identifying further gold mineralization near surface, will dramatically impact the economics of the Robinson Zone vein system."

Canada Silver Cobalt also [stated](#) : "If the gold in the cobalt-silver veins comes from reactivated Archean structures, **this could also indicate gold at depth below the diabase.**"

Note: Bold emphasis done by the author.

In another recent [announcement](#) (Dec. 29, 2020) Canada Silver Cobalt reported the intersection of a new, additional, high-grade silver vein within 60 metres of the Robinson Zone Discovery hole CA-1108. Assays are still pending however the Company [stated](#): “Visually, mineralization in the new vein rivals the discovery intersection of hole CA-11-08 (**40,944 g/t** silver (**1,194 oz/ton**) over a core length of 0.45 meters....”

Canada Silver Cobalt has a maiden Inferred Resource of **7,560,200 oz of silver@ 8,582 g/t** (250.2 oz/ton) at the Castle Property (Castle East). Anything over 50 g/t silver is considered high grade, so clearly Canada Silver Cobalt’s average grade is exceptional.

Canada Silver Cobalt is also currently advancing the permitting process for an [underground ramp construction](#) in 2021 for the Robinson Zone on the Castle Property. This includes project advancement in environmental studies, site development, and community engagement (noting First Nations Agreement is in place). Initially the ramp construction will act to provide underground exploration platforms to greatly enhance new discovery opportunities.

Canada Silver Cobalt has already acquired a facility for metals processing in the town of Cobalt and in Q4 2019 successfully poured 3 silver bars from Castle Mine waste material.



Source: [Company presentation](#)

Closing remarks

If Canada Silver Cobalt continues to find more gold they may need a name change to Canada Silver Cobalt ‘Gold’ Works. I would think investors would not mind.

Canada Silver Cobalt's market cap is C\$69 million and the Company already has a maiden Inferred Resource of 7.5 million oz of silver at exceptional grades, boosted by excellent grade cobalt, and now some gold and potential for more. Added to this the Company is well funded after a recent [C\\$4.9 million flow through financing](#), owns their own nearby processing facility, and has several catalysts in 2021 as the ongoing drill campaign reports results.

2021 could possibly be a breakout year for Canada Silver Cobalt Works. Stay tuned.

Canada Silver Cobalt Works talks about their Castle Property with 7.5 million inferred oz silver

written by InvestorNews | March 26, 2021

InvestorIntel's Tracy Weslosky talks with Canada Silver Cobalt Works Inc.'s (TSXV: CCW | OTCQB: CCWOF) CEO Frank Basa and President & COO Matthew Halliday about Canada Silver Cobalt Works' Castle Property, located 85 kilometres northwest of Ontario's historic Gowganda Cobalt silver mining camp.

"Since mining started at the camp, grades were known to be exceptionally high," Frank said. "We'll mine the asset for silver, and we will produce cobalt, nickel and copper for free. So, we can compete on a global scale."

“Our new main resource at Gowganda is extremely exciting,” Matthew said. “We are the first company to put a 43-101 compliant in-situ resource in the whole Cobalt camp. We have a resource of 7.5 million ounces at over 8000 grams per ton inferred.” Matthew added, “When you compare to other places in the world, we are 10-20 times higher in grade than most camps in the world.”

To watch the complete interview, [click here](#)

Disclaimer: Canada Silver Cobalt Works Inc. is an advertorial member of InvestorIntel Corp.