



CANADA
SILVER
COBALT

SILVER & COBALT

in the historic Cobalt Mining Camp

May 2021

Vertically Integrated Leader in Canada's Silver-Cobalt Heartland



DEVELOPMENT GOAL

- » Resume mining high-grade silver and cobalt at the **100%-owned Castle and Beaver mines**
- » Castle Mine produced **9.5 million oz silver** (average ore grade of 25 oz/ton Ag) and **300,000 lbs cobalt**
- » Beaver Mine produced **7.1 million oz silver** (average ore grade of 171 oz/ton Ag) and **139,000 lbs cobalt**

FAVOURABLE GEOLOGY AND LOCATION

- » Located in the Cobalt Camp in northern Ontario which is **very rich in silver, cobalt and other metals** and is one of the few places in the world where silver and cobalt can be mined together as primary metals (cobalt is typically a by-product of copper and nickel mines)
- » Underground mining at over 100 mines in the Cobalt Camp during the 1900s produced more than **500 million oz silver and 30 million lbs cobalt**
- » Past mining focused on high-grade silver veins – leaving behind low-grade silver veins even if they had high-grade cobalt, nickel or other metals – drill assays usually tested only for silver
- » **Silver and cobalt** typically found in quartz and calcite veins in or near the Nipissing Diabase, while **gold and copper** tend to be found in Archean Volcanic rock

DISCOVERY POTENTIAL AT CASTLE

- » Past focus on silver and on a small area of the 78 km² Castle property leaves substantial discovery potential

RECENT NEWS - CASTLE MINE

- » **Massive native silver grades up to 89,853 g/t (2,621 oz/ton)** intersected during surface drilling at the Castle East Robinson Zone less than 2 km east of the Castle Mine shafts
- » **Initial silver resource estimate of 7.5 million ounces** with an average grade of **8,582 g/t Ag (250 oz/ton)**
- » **Unexpected new discovery of high grade gold (22.7 g/t)** along with high-grade silver, cobalt, and nickel during Phase Two underground drilling in Level 1 of the Castle Mine where previous selected drilling/sampling showed grades as high as **5.2% cobalt, 5.3% nickel, and 13,208 g/t silver**
- » **Acquisition of Temiskaming Testing Labs**, an ISO-certified lab and processing facility located in the town of Cobalt; **achieves a key goal of becoming a vertically integrated leader in Canada's silver-cobalt heartland** with multiple potential revenue streams – bullion pouring, bulk sampling, commercial assaying and e-waste processing
- » **Silver bars poured** recently as a proof of concept test at the new facility from a concentrate produced by a pilot plant – illustrating the potential for significant silver production along with cobalt from surface waste material and tailings
- » Work is continuing towards **recovering silver, cobalt and other metals from a large, historic tailings area 300 metres from Castle's #3 Shaft**. Recent testing demonstrated that Castle tailings are amenable to flotation and leaching, enhancing potential recoveries and creating an opportunity for direct shipping of precious metal concentrate in addition to Re-2Ox cobalt sulphate



Cross-section showing 11 levels totaling 18 km of underground workings at Castle Mine with access to Level 1 via an adit



ACCESS TO UNDERGROUND A Major Advantage

- » Canada Silver Cobalt Works has permits for access to the underground workings at the Castle Mine through an adit used in the past to extract ore
- » This provides easy access to underground workings and the ability to sample and drill from underground and start mining sooner than others
- » No other company currently operating in the Cobalt Camp has permitted underground access

PROVEN METALLURGY – Re-2Ox Process

- » Management has expertise in cobalt-silver metallurgy, having developed a hydrometallurgical process for extracting cobalt and silver and producing a cobalt commercial product when working in the Cobalt Camp in the 1980s
- » The company is currently conducting lab tests with its proprietary Re-2Ox process and is in the process of designing and constructing a Re-2Ox pilot plant.
- » The process was used to produce a cobalt sulphate that would meet the electric battery grade specifications provided by potential Asian customers and has also shown that it has the potential to be used to extract cobalt, nickel and other metals from mining ores and spent batteries.

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NEXT STEPS

- » Continued exploration of the exceptional high-grade silver discovery at the Castle East Robinson Zone where massive native silver grades range up to 89,853 g/t Ag (2,621 oz/ton Ag)
- » Update of the silver resource estimate later this year to include the 33,000 meters of drilling and multiple high-grade veins discovered since the initial estimate in May 2020
- » Environmental permitting work towards building a potential ramp down to the rich silver veins at Castle East to more effectively explore the area and potentially begin to mine it
- » Advancing the Re-2Ox process via testing and pilot plant design and construction
- » Exploration of newly acquired nickel-copper-cobalt properties in Quebec and Ontario



Cobalt rosettes in a quartz-carbonate vein at the Beaver Mine where high-grade mineralization was again confirmed -- selected hand-cobbed material at surface averaged 4.68% cobalt, 46.9 g/t silver, 3.09% nickel and 0.08 g/t gold

Cautionary note: This document includes certain “forward-looking” statements within the meaning of Canadian securities legislation and the United States Private Securities Litigation Reform Act of 1995. There can be no assurance that such statements will prove to be accurate and actual results and future events could differ materially from those anticipated in such statements. Canada Silver Cobalt Works Inc. does not undertake to update any forward-looking statement that is included herein, except in accordance with applicable securities laws. For details regarding forward-looking statements and a cautionary note to US investors, see the Company’s corporate presentation and its recent MD&A at www.canadasilvercobaltworks.com.

The contents of this document have been reviewed and approved by Frank Basa, P. Eng., President and CEO of Canada Silver Cobalt Works, a qualified person in accordance with National Instrument 43-101.