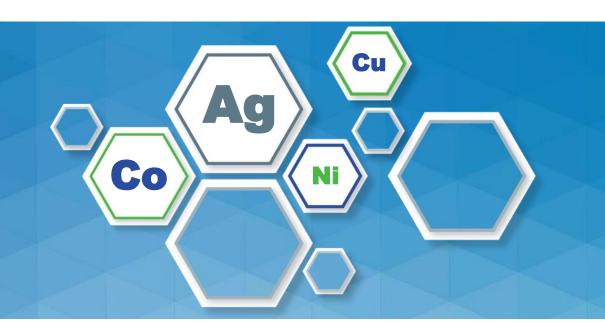


# HIGHEST SILVER GRADES IN THE WORLD

**Critical Battery Metals Nickel, Copper, Cobalt** 

CORPORATE PRESENTATION 2022



## F

## FORWARD-LOOKING STATEMENTS



#### **DISCLAIMER**

Neither the TSX Venture Exchange nor its Regulation Service Provider (as that term is defined in the policies of the TSX Venture Exchange) accepts responsibility for the adequacy or accuracy of this material. This presentation may contain forward-looking statements including but not limited to comments regarding the timing and content of upcoming work programs, geological interpretations, receipt of property titles, potential mineral recovery processes, etc. Forward-looking statements address future events and conditions and therefore, involve inherent risks and uncertainties. Actual results may differ materially from those currently anticipated in such statements. The Company does not undertake to update any forward-looking information in this presentation or other communications unless required by law.

#### **QUALIFIED PERSON**

The technical information in this corporate presentation was prepared under the supervision of Canada Silver Cobalt Works Inc.'s President and Chief Operating Officer Matt Halliday, P. Geo., who is a Qualified Person in accordance with National Instrument 43-101.

## **CANADA SILVER COBALT Overview**



#### PRECIOUS METALS WITH COBALT BY-PRODUCT





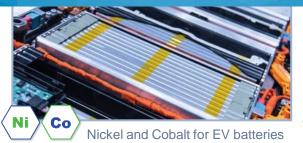
- Exceptional deposit at Castle East in Northern Ontario highest silver grade in the world with 60,000m of drilling completed
- Planned ramp to access high-grade silver veins and conduct underground drilling
- Exploration underway at Eby-Otto gold project near Kirkland Lake
- 100% owned TTL high-grade mill ready for processing Castle East high-grade material into silver dore bars

#### **BATTERY METALS COMPANY**



- New discovery at Graal in Northern Québec
- Drilled into massive sulphides formation containing high-grade nickel and copper, with cobalt, platinum and palladium by-products
- Coniagas Battery Metals Inc. subsidiary in preparation for potential monetization of Graal property







## **KEY TECHNICAL** Team Members



#### MATT HALLIDAY P.GEO | President and COO

15+ years of exploration/development worldwide including narrow-vein deposits (SGS, Kirkland Lake Gold, First Cobalt)

#### FRANK BASA P.ENG | CEO and Chief Metallurgist

40+ years of exploration/milling/metallurgy worldwide including Agnico Eagle in Cobalt Camp

#### **GERHARD KIESSLING** P.GEO | VP Exploration

Experienced Geologist (First Cobalt, Kirkland Lake Gold, McEwen)

#### **DOUG ROBINSON** P.ENG | Geological Consultant

Highly regarded geologist (Cobalt Camp, Kirkland Lake area)

#### **DIANNE TOOKENAY** | Director (First Nations Consultant)

Leads critical consultations with First Nations

#### **CLAUDE DUPLESSIS P.ENG | GoldMinds GeoServices**

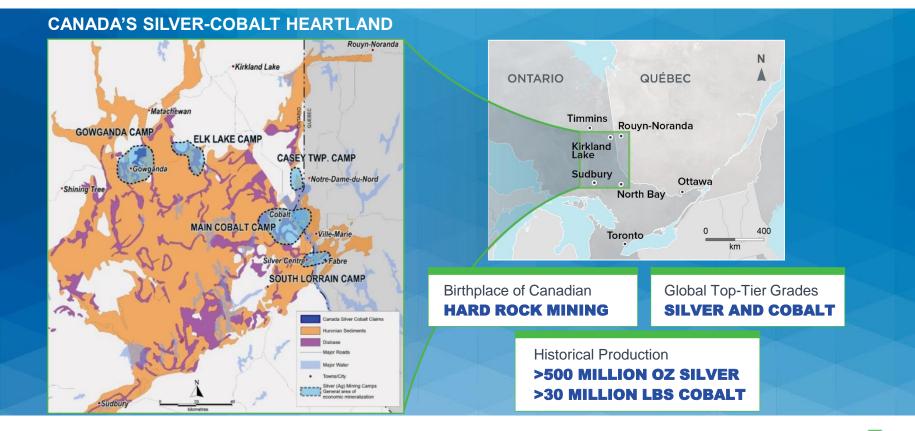
Leads Québec battery metals exploration



Matt Halliday, President and COO (left) and Frank Basa, Chairman and CEO (Right)

## SILVER - COBALT PROPERTIES: Location - Location - Location!

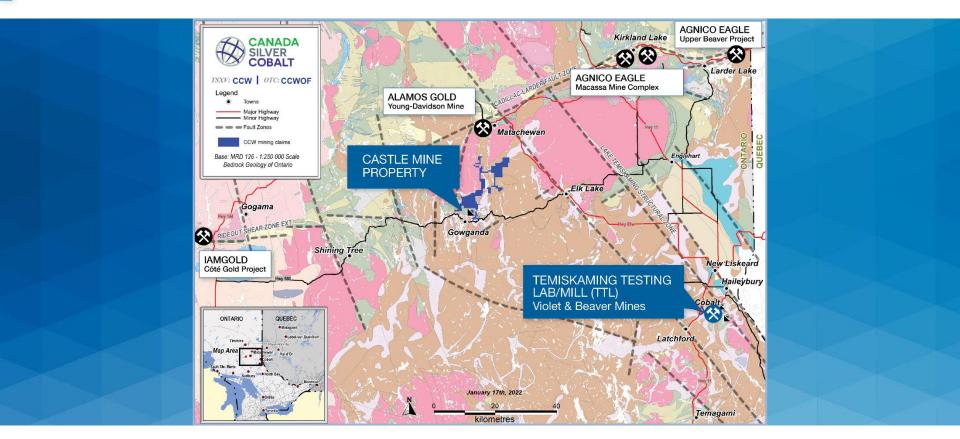




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## **SILVER - COBALT PROPERTIES** Regional Geological Power!



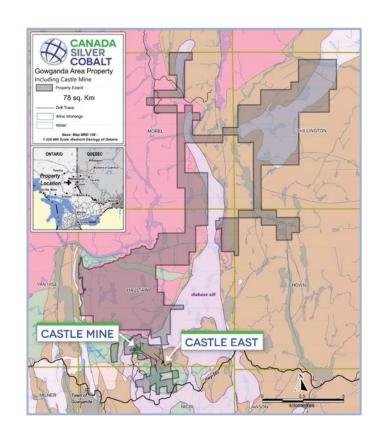


## **CASTLE SILVER** Mine and Property



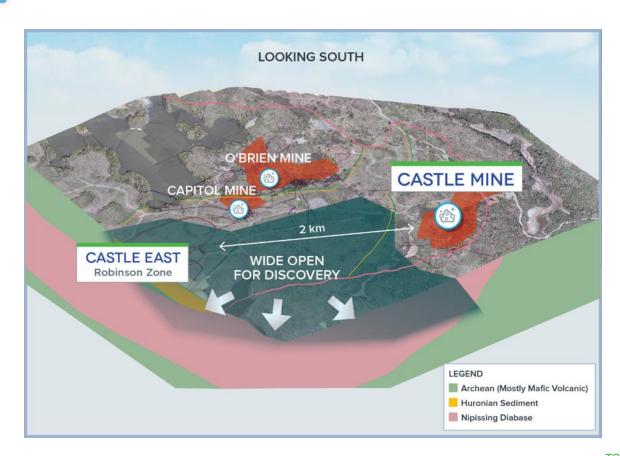
Castle Mine produced 9.5 million oz silver with 300,000 lbs cobalt as by-product in the 1900s and is the only permitted underground asset in the Northern Ontario Silver-Cobalt Camp

<b>78 KM²</b> Total Claim Zone	PREVIOUSLY-PRODUCING MINE Located NE of Town of Gowganda in the middle of Gowganda silver-cobalt camp
EXCELLENT INFRASTRUCTURE	Includes all 3 former <b>EXISTING MINE SHAFTS</b> Castle Mine Shafts #1, #2 and #3 and the adit (near #2 and #3)
FIRST NATIONS agreements in place	Strong EXPLORATION POTENTIAL extends 17 km northeast



## CASTLE EAST DISCOVERY Highest Silver Grades in the World





### CASTLE EAST HIGH-GRADE SILVER DISCOVERY, GOWGANDA CAMP, MILLER LAKE BASIN

- Just a small fraction of Castle
   East has been drilled to date
- One of the most significant new grassroots high-grade Silver discoveries in Northern Ontario in several decades!
- Top tier silver grades
- Potential scale
  - This area, east of 3 past producers received little historical attention
- Maiden resource (May 2020)

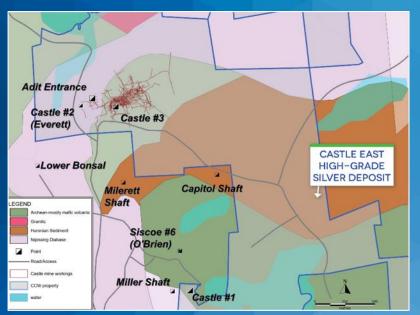
### **ROBINSON SILVER DISCOVERY**



250 Ag oz/tonne over 7.5 m oz Inferred Resource

#### **CASTLE EAST SILVER DEPOSIT**

Past mining in the Gowganda area produced 60 million ounces silver during the 1900s.



#### **INTERSECTION HIGHLIGHTS**



**CS-19-08-W01** (50,583 gpt Ag over 0.6 m) Massive native silver in CS-19-08-W01 @ ~427 m vertical depth



CS-19-08-W02 (70,380 gpt Ag over 0.3 m) Massive native silver in hairline silver-filled fractures in CS-19-08-W02 @ ~418 m vertical depth

## FIRST EVER 43-101 Silver Resource in Cobalt Camp



#### **ZONE 1A AND 1B**

- Average silver grade 8,582 g/t (250.2 oz/tonne)
   in a combined 27,000 tonnes of material
- Total 7,560,200 inferred oz of silver

#### MINERAL RESOURCE ESTIMATE AT CASTLE EAST AS OF MAY 20201

Staferred	Tonnes	Grade							
Mineral Resources		Ag g/t	Co g/t	Cu g/t	Ni g/t		AgEq g/t	Ag oz	AgEq oz
ZONE 1A	8,100	7,960	946	349	790		8,042	2,073,000	2,094,200
ZONE 1B	19,300	8,843	2,308	325	336		8,998	5,487,200	5,583,200
ZONE 2A	5,500	38	5,673	2,101	453		426	6,800	75,300
TOTAL INFERRED MINERAL RESOURCES	32,900	7,149	2,537	628	467		7,325	7,567,000	7,752,700

<sup>(1)</sup> Independently prepared by GoldMinds Geoservices Inc. in accordance with National Instrument 43-101 using a cut-off grade of 258 AgEq g/t. See company news release May 28, 2020.

# **NEW SILVER DISCOVERIES** Including "Big Silver" Vein 2 within 60 metres of Robinson Zone Discovery Hole Ca-11-08



- High-grade silver mineralization over 5-7 cm true width
- Silver Grade: 89,853 g/t Ag (2,621 oz/tonne) over a core length of 0.30 m
- Gold Equivalent Grade<sup>1</sup>: 38.98 oz/tonne AuEq
- Comparable to the average thickness of veins that produced close to 60 million ounces of silver from the past-producers within a few kilometers of the Robinson Zone



**CS-20-39** (89,853 g/t silver over a core length of 0.3 meters)



# **)** "

# "BIG SILVER" VEIN 2 IS BEING EXPANDED Using Wedge Drilling with 2 Additional Intercepts above 50,000 g/t Ag or more than 20 oz/tonne Gold Eq.



Wedges CS-20-39W2 @ 51,612 g/t Ag over 0.41 m and CS-20-39W4 @ 53,739 g/t Ag over 0.48 m<sup>1</sup>



High-grade silver mineralization over 4-6 cm true width in hole CS-20-39W2 of 51,612 g/t (1,506 oz/tonne) Ag over a core length of 0.41 m at 561.7 m depth – included in a wider interval of 30,931 g/t (902 oz/tonne) over 0.71 m.

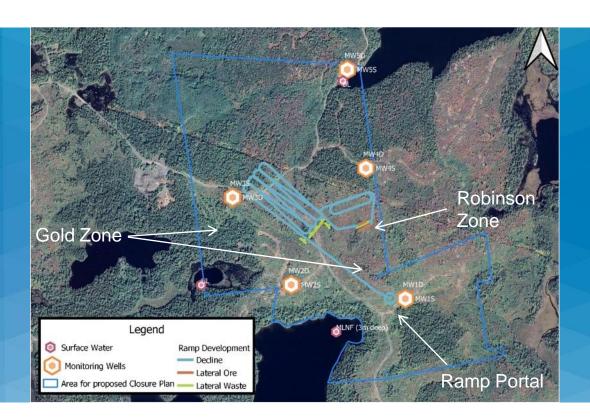


Bonanza-grade silver mineralization at 53,739 g/t Ag (1,568 oz/tonne Ag or 23.31 oz/tonne AuEq) and 2.22% cobalt over 0.48 m in hole CS-20-39W4 at 551.1 m depth – included in a larger interval of 19,308 g/t Ag (563.24 oz/tonne Ag and 8.38 oz/tonne AuEq) over 1.3 m.

## **CASTLE EAST** Proposed Ramp Overview



- Conceptual schematic diagram of proposed ramp to access the newly discovered high-grade veins 400-500 meters below the surface
- Location of monitoring wells for baseline studies required for permitting



## **)** N

## **NEARBY TTL High-Grade Mill** Ready for Producing Silver Dore Bars



#### TEMISKAMING TESTING LAB / METALS PROCESSING FACILITY<sup>1</sup>

Well-established facility in town of Cobalt **SPECIALIZES IN HIGH-GRADE MINERALIZATION** 

Historically functioned as a

REGIONAL ASSAY LABORATORY

High-grade mill for

BULK SAMPLING AND PROCESSING

High capacity bullion furnace PRODUCES SILVER AND GOLD DORE BARS Ball mill, cone crusher, concentrator

READY FOR MILLING AND TOLL PROCESSING



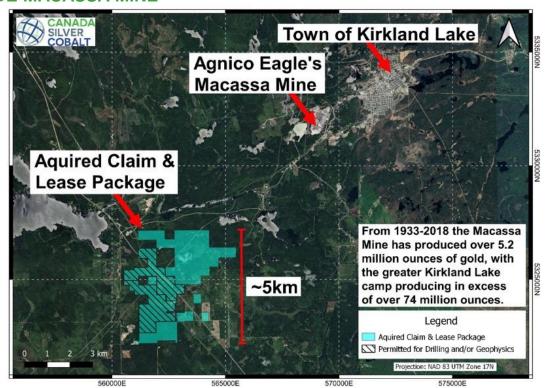


## **EBY-OTTO** Highly Prospective Gold Property



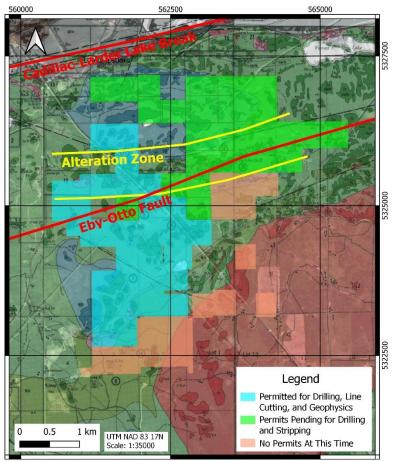
#### 5 KM FROM AGNICO EAGLE'S HIGH-GRADE MACASSA MINE1

- Acquisition of 1,000 hectares of gold exploration properties places CCW in the middle of the most prolific high-grade gold-bearing areas in Northern Ontario that have produced 24 million oz gold in the past 100 years
- 2 km strike length has numerous strongly altered and mineralized quartz veins outcropping at the surface
- Mineralization and alteration highly favourable in addition to being typical of other gold-bearing veins in the district



## **EBY-OTTO** Located in Prime Geological Area





#### PHASE II EXPLORATION UNDERWAY1

- Diamond drill program underway, planned
   2,000 2,500 meters targeting regional fault
   structures such as Cadillac-Larder Lake Break
   and Eby-Otto Fault
- Geological field work completed in 2022 including outcrop stripping, exploration trenching, and channel samples
- 3D IP and resistivity geophysical survey being conducted on the property by Dias Geophysical to complement the existing drone mag survey and further exploration on the property

(1) For details, see CCW news releases August 3 and 30, 2021 and May 10, August 22 and October 24 and 16, 2022...

### **BATTERY METALS** for Electric Vehicles and a Cleaner World



- Nickel, copper and cobalt exploration properties in Northern Ontario and Québec (1 in Ontario and 14 in Québec)
  - Exploration underway at Graal magmatic sulphide deposit with massive sulphides
- Coniagas Battery Metals Inc. formed as CCW subsidiary to hold Graal exploration

property for spin-out

- Green Re-20x processing technology for producing cobalt and nickel sulphates needed in EV batteries
  - Testing and design work for Pilot Plant underway at SGS Lakefield





### PROPRIETARY RE-20X TECHNOLOGY

## Clean, Environmentally Compliant

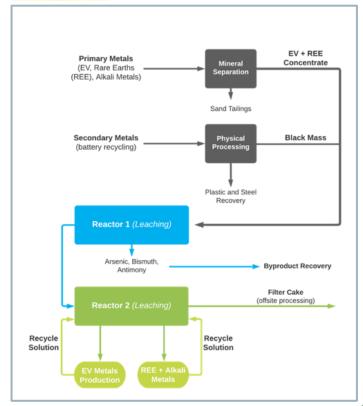
- Re-20x is a closed-loop hydrometallurgical process that extracts metals without any discharge or smelting
- Conforms with EV manufacturer's need for ethically sourced battery metals and strict environmental compliance
- Demonstrated in SGS lab tests to be effective in recovering 99% of cobalt from Castle gravity concentrates, removing 99% of arsenic, and producing an industry grade 22.6% cobalt sulphate for electric vehicle batteries
- SGS Canada has been engaged to test and design a Re-20x Pilot Plant at Lakefield, Ontario
- Feed material for test work will come from the Castle underground mine, Castle East Robinson Zone, Castle and Beaver tailings, recycled batteries, newly acquired nickel properties and Granada Gold Mine's rubidium deposit

More info at <a href="https://re-2ox.com/">https://re-2ox.com/</a> and in company news releases.





#### PROCESS FLOWSHEET



## **RE-20X Development Timeline**

Re-20x



- 2017 Re-2Ox process developed and concentrate from Castle Mine produced for testing of Re-2Ox at SGS Lakefield
- 2018 Cobalt sulphate successfully produced from Castle concentrate at SGS Lakefield, including 200 grams meeting specifications outlined by Sumitomo Metals in Japan
- 2019 2020 Additional testing of Re-20x process
- 2021 SGS Canada engaged to design and build pilot plant and bench scale testing conducted on Beaver Mine tailings and alkali metal rubidium from drill core Granada Gold Mine
- 2022 Rubidium extracted successfully with 99% recovery using Re-2Ox process

More info at <a href="https://re-2ox.com/">https://re-2ox.com/</a> and in company news releases.

#### COBALT SULPHATE PRODUCED FROM CASTLE MINE CONCENTRATE USING THE RE-20X PROCESS



#### BATTERY METALS EXPLORATION

## Underway at Graal Property in Québec

CANADA SILVER COBALT

- CCW acquired 14 properties covering 31,201 hectares across Quebec in 2020 prospective for large deposits of EV metals including nickel, copper, and cobalt
- Airborne surveys conducted on five properties for Bouguer (gravity) anomalies in early 2021
- Graal property identified as the highest potential target area
- 15,000 meters drilled at Graal in Fall/Winter
   2021–2022 and Summer of 2022



## MASSIVE SULPHIDES DISCOVERED

## AT THE GRAAL PROPERTY





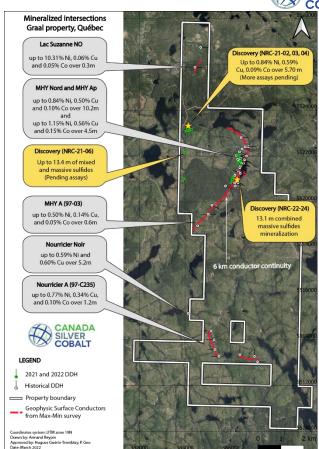
Massive sulphides in the drill core at Graal

Claude Duplessis, Eng., GoldMinds GeoServices, at a drill rig at Graal

## **GRAAL PROPERTY** Potential World-class Deposit

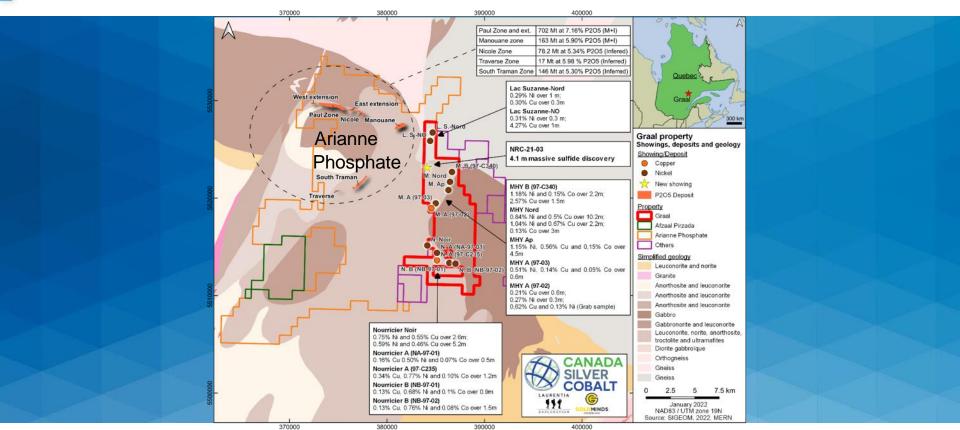
CANADA SILVER COBALT

- Evidence points to a large deposit on the 6,113 hectares and the potential for a world-class battery metals camp
- 6 km electromagnetic strike length with mineralization. Nearsurface copper, nickel, and cobalt from drilling (see map)
- Recent drilling intersected massive and semi-massive sulphides – up to 2.08% nickel over 0.5m and 3.75% copper over 0.6m, plus minor amounts of cobalt, platinum and palladium.
- Historical drilling had previously indicated a potential target
  of near-surface tonnage of 30 to 60 million tonnes¹ with
  a grade range of 0.60-0.80% nickel, 0.30-0.50% copper and
  0.10-0.15% cobalt in the MHY section along the 6 km EM corridor.
  The tonnage excludes newly discovered mineralization and
  does not take into account any potential at depth



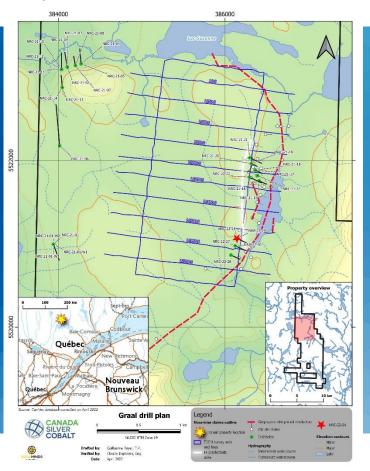
## **GRAAL** Area Map – Located Close to Arianne Phospate Property





## **GRAAL** Map of 2021-2022 Drill Holes and Geophysical Survey Area





FL-TDEM Survey identified a geophysical anomaly 1,700m long by 850m wide characterized by high conductance

Conducted bore hole electromagnetic surveys on selected targets

FL-TDEM Grid (blue lines)

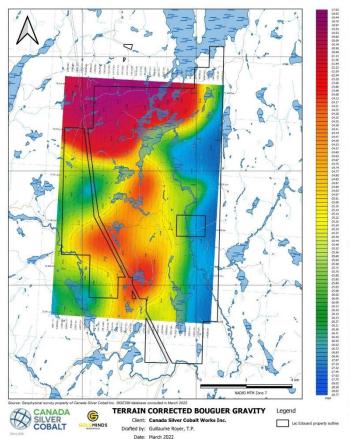
High Conductivity Zone (white line)

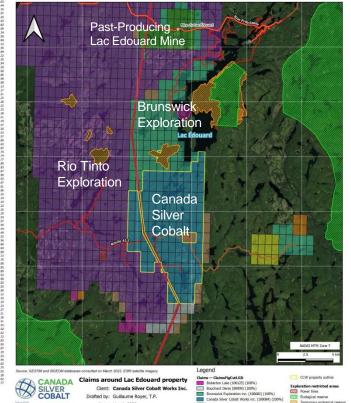
FL-TDEM = Fixed Loop Time Domain Electromagnetic Survey

## Lowney-Lac Edouard Property Large Bouguer Gravity Anomaly



- Past geophysical survey indicated a large Bouguer gravity anomaly.
- New VTEM Survey conducted with Rio Tinto and Brunswick Exploration which have adjacent properties (see map)
- To identify near surface conductors to guide field work and possibly lead to drill program.





## **CAPITAL STRUCTURE** and Share Performance



#### **Canada Silver Cobalt Works Inc.**

Shares Outstanding <sup>1</sup>	234,434,682				
Market Cap (@\$0.08/share) <sup>2</sup>	\$19 million				
Warrants <sup>1</sup> (\$0.11 - \$0.65)	107,178,495				
Options <sup>1</sup> (\$0.21 - \$0.70)	11,428,335				
Fully Diluted <sup>1</sup>	353,041,512				

### TSX-V CCW | OTCQB CCWOF | FRANKFURT 4T9B



<sup>(1)</sup> Share numbers approximate, as of December 12, 2022

<sup>(2)</sup> Share price as December 12, 2022.

### **CANADA SILVER COBALT** Reasons to Invest



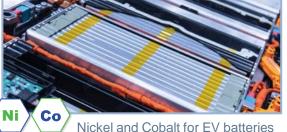
## TWO POTENTIAL SILVER-COBALT MINES WITH PERMITTED MILLING FACILITY

- Castle East Highest silver grades in the world with ramp planned to extract the rich veins and also drill underground to expand the deposit
- Castle Mine: Former silver-cobalt mine with underground access and potential to resume mining
- Eby-Otto Gold Project: Exploration underway
- TTL High-Grade Mill: Fully permitted to process high-grade material into silver dore bars

#### **BATTERY METALS WITH PROCESSING TECHNOLOGY**

- Graal Massive sulphides discovery in Northern Quebec with nickel. copper, cobalt, platinum and palladium
- Re-20x ESG-compliant, low-carbon hydrometallurgical process to produce cobalt and nickel sulphates for EV battery producers and extract other critical metals
- Coniagas Battery Metals Inc. Subsidiary to hold Graal battery metals property in preparation for potential monetization









# HIGHEST SILVER GRADES IN THE WORLD

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**Critical Battery Metals Green Re-20x Processing Technology** 

#### **Mining Office**

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## **APPENDIX**





## CASTLE EAST DISCOVERY AREA EXPANDS Drilling adds two High-Grade Silver Vein Structures Separate from Robinson and Big Silver



## BOTH HIGH-GRADE SILVER VEINS ARE LOCATED SOUTH OF ROBINSON ZONE AND WEST OF BIG SILVER

 CS-21-61 intersected 30,416 g/t Ag over 0.45 m at downhole depth of 449.95 m located 35 m south from Robinson Zone discovery hole CA-11-08 and 60 m west of Big Silver discovery hole CS-20-39 CS-21-65, located 70 m south of the Robinson Zone, intersected 7,328.47 g/t Ag over 0.38 m at 254.03 m, which is the closest high-grade intercept to the surface and is located within Archean lithologies. This hole also intersected 1,883.21 g/t Ag at 421.00 m

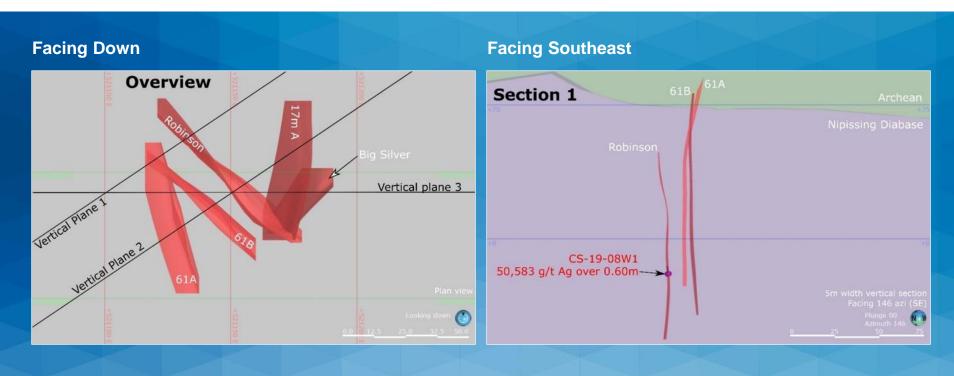


Close-up of mineralization in hole **CS-21-61** (30,416.91 g/tonne Ag or 887.31 oz/tonne). Shows **intense Cobalt mineralization occurring** as the dark grey minerals within the vein. The bright silver is located within the cobalt clusters as well as lining the edge of the vein and radiating outwards.

## **CASTLE EAST** Cross Sections



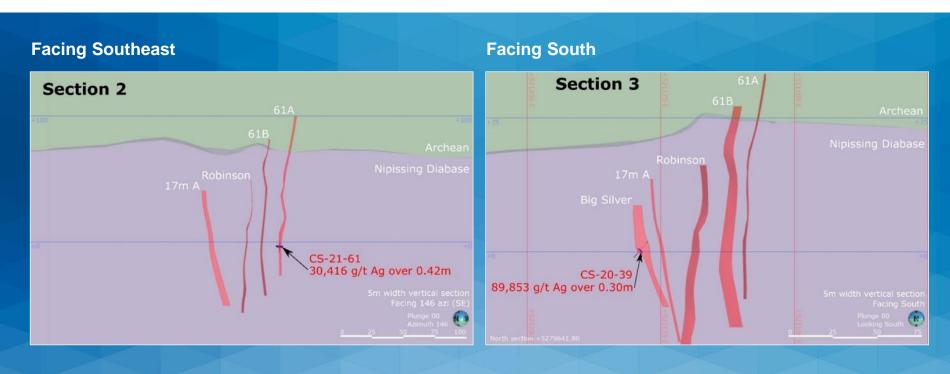
#### CROSS SECTION VIEWS OF HIGH-GRADE SILVER VEINS DISCOVERED AT CASTLE EAST



## **CASTLE EAST** Cross Sections



#### CROSS SECTION VIEWS OF HIGH-GRADE SILVER VEINS DISCOVERED AT CASTLE EAST



# $\Big\rangle$

### MID-GRADE VEIN DISCOVERY West of Robinson Zone



### Indicates New Corridor

#### SIGNIFICANT POTENTIAL SILVER MINERALIZED STRIKE DISTANCE OF 710 METRES

- Vein 7 Intercept is located 650 metres west of the Robinson Zone Discovery hole<sup>1</sup>
- CS-21-50 intersected 2,208 g/t Ag over
   0.45 metres at downhole depth of 548.43 metres in a distinct area, Robinson West, 650 metres from Robinson Zone Discovery hole CA-11-08

- New corridor with significant potential silver mineralized strike distance of 710 metres, striking towards the Robinson Zone
- Drill program increased to 60,000 metres from 50,000 metres to explore the extension



Silver and cobalt mineralization in hole CS-21-50 (2,208 g/t Ag, 0.38% cobalt) ~548.43 m depth

## P

## PHASE 1 Drilling has also Intersected a High-Grade Gold Structure



#### HIGH-GRADE VISIBLE GOLD AT 25 g/t AU INTERSECTED AT THE ROBINSON ZONE<sup>1</sup>

- Gold-cobalt mineralization found in hole CS-20-31 is one of five mineralized veins in the area contributing to the potential expansion of the Robinson system
- CS-20-31 intersected 24.95 g/t Au over 0.30 m from 49.7 m - 50.0 m with visible gold in calcite veining within Archean volcanic tuff
- This gold structure, near the surface above the silvercobalt veins of the diabase, and identifying further gold mineralization near surface, will dramatically impact the economics of the Robinson Zone vein system
- CS-20-31 also intersected 3.82 g/t Au over 2.86 m from 451.0 m - 453.86 m, including 6.11 g/t Au over 1.66 m



Visible Archean Gold - Shallow in CS-20-31 ~47.96 m depth

## **NEXT STEPS** at Past-Producing Castle Mine



**DEVELOP NEW TARGETS AT CASTLE MINE** in preparation for fresh underground drilling

**ADVANCE TAILINGS** project

