



**CANADA  
SILVER  
COBALT**

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

CORPORATE PRESENTATION  
August 2022

**HIGHEST SILVER  
GRADES IN THE WORLD**





# FORWARD-LOOKING STATEMENTS



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## 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



## SILVER DEPOSIT WITH COBALT BY-PRODUCT



- Exceptional deposit in Northern Ontario, highest silver grade in the world
- Advanced stage, 60,000 m of drilling completed, upcoming resource update
- Ramp planning/permitting underway
- 100% owned TTL “Mini-Mill” nearby and ready for processing Castle East high-grade material into silver dore bars



Ag

Silver for solar panels/electronics



Ni

Co

Nickel and Cobalt for EV batteries



Cu

Copper for EV wiring

## BATTERY METALS PROPERTIES



- New discovery at **Graal** in Northern Québec
- Drilled into massive sulphides formation, with high-grade nickel and copper
- **Re-2Ox** – hydrometallurgical process that exceeds environmental (ESG) standards
- **Coniagás Battery Metals Inc.** subsidiary in preparation for potential monetization



# NEXT STEPS and Near-term Catalysts



## CASTLE EAST

- **Update** of resource estimate
- **Complete** environmental baseline studies
- **Prepare** permit application for a ramp
- **Preparatory work** for PEA
- **Machine learning data-driven drill targeting** for next stage (GoldSpot Discoveries)

## EBY-OTTO GOLD PROPERTY

- **Field work underway**, with planned channel sampling and drill program – following recent magnetic drone survey

## BATTERY METALS

- **Completed second 7,000m drill program at Graal**, asays pending.
- **Lowney-Lac Edouard: VTEM Survey underway**, results pending
- Planned further testing of **Re-2Ox** at SGS Lakefield and design of commercial pilot plant
- Potential **spin-out of Coniagas Battery Metals** subsidiary – Re-2Ox + battery metals properties



# KEY TECHNICAL Team Members



## **MATT HALLIDAY P.GEO** | President, COO, VP-Exploration

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

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

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

## **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



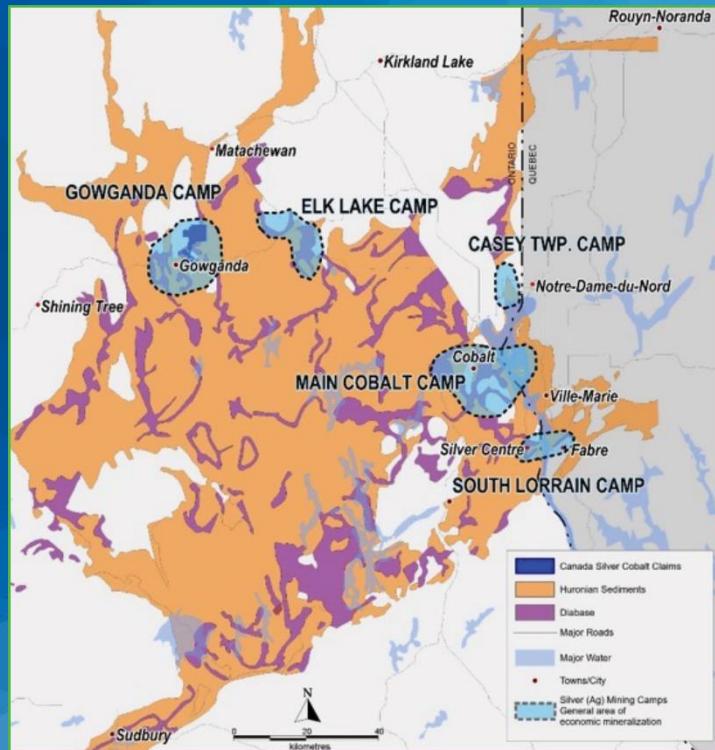
Matt Halliday, President, COO and VP Exploration (left)  
and Frank Basa, Chairman and CEO (Right)



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



## CANADA'S SILVER-COBALT HEARTLAND



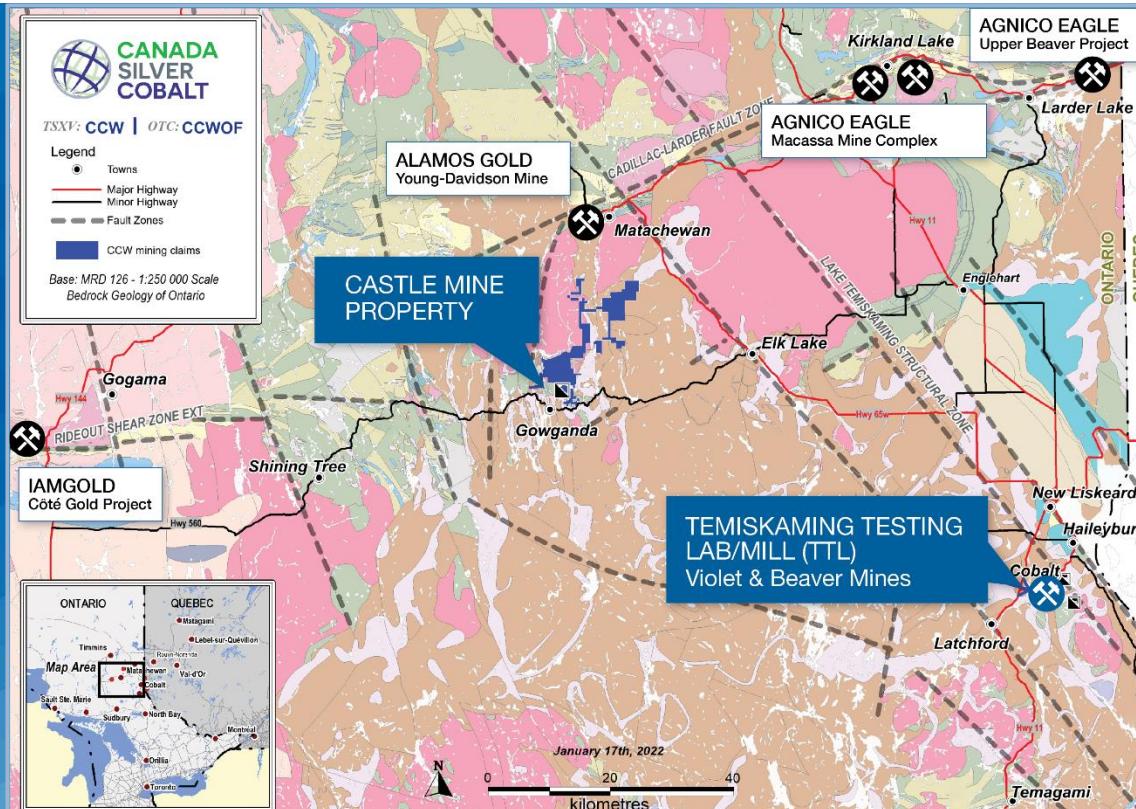
Birthplace of Canadian  
**HARD ROCK MINING**

Global Top-Tier Grades  
**SILVER AND COBALT**

Historical Production  
**>500 MILLION OZ SILVER**  
**>30 MILLION LBS COBALT**



# 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

**78 KM<sup>2</sup>**

Total Claim Zone

## PREVIOUSLY-PRODUCING MINE

Located NE of Town of Gowganda  
in the middle of Gowganda  
silver-cobalt camp

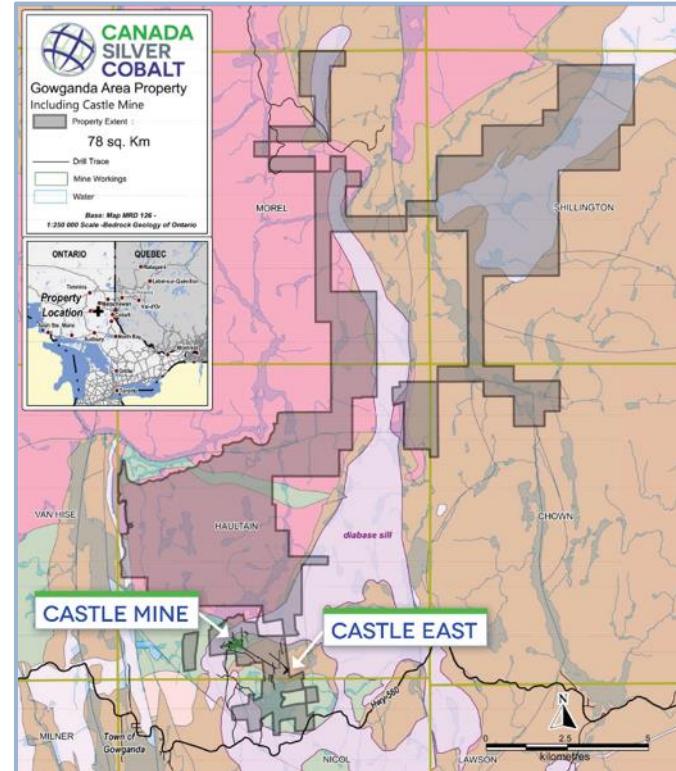
**EXCELLENT  
INFRASTRUCTURE**

Includes all 3 former  
**EXISTING MINE SHAFTS**

Castle Mine Shafts #1, #2 and #3 and  
the adit (near #2 and #3)

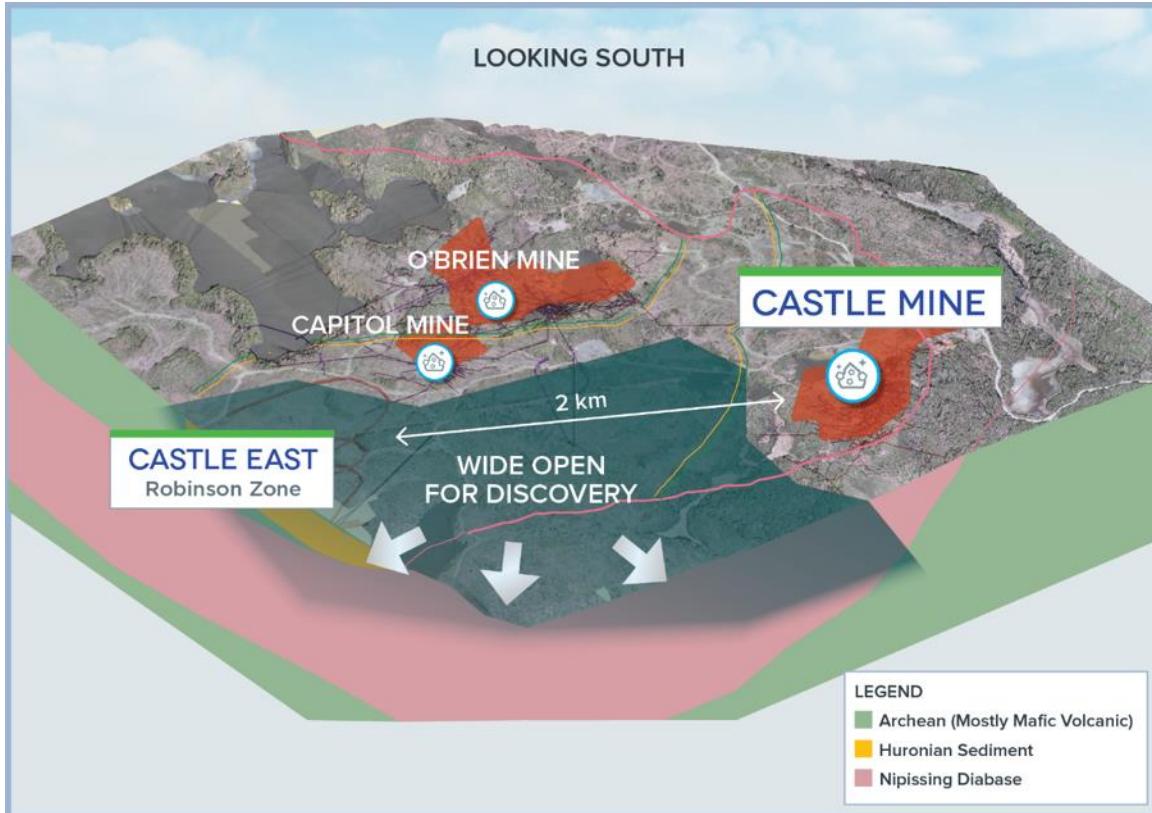
**FIRST NATIONS**  
agreements  
in place

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)



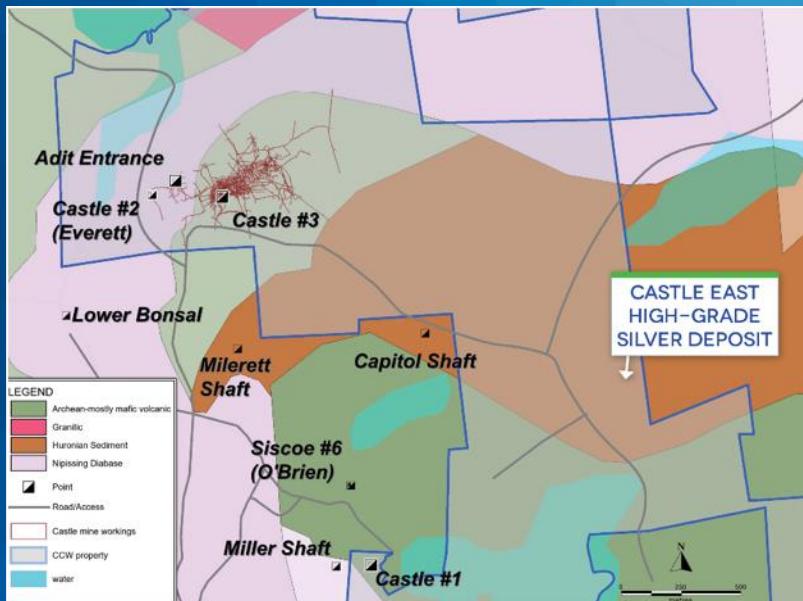
# ROBINSON SILVER DISCOVERY

250 Ag oz/tonne over 7.5 m oz Inferred Resource



## CASTLE EAST SILVER DEPOSIT

Mineral potential east of the historic mines in the heart of the Miller Lake Basin



## 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)
- Total 7,560,200 inferred oz of silver  
in a combined 27,000 tonnes of material

## MINERAL RESOURCE ESTIMATE AT CASTLE EAST AS OF MAY 2020<sup>1</sup>

Inferred Mineral Resources	Tonnes	Grade								
		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
<b>TOTAL INFERRED MINERAL RESOURCES</b>	<b>32,900</b>	<b>7,149</b>	<b>2,537</b>	<b>628</b>	<b>467</b>			<b>7,325</b>	<b>7,567,000</b>	<b>7,752,700</b>

(1) 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.

Note: Update planned in Q1 2022 based on 50,000+ metres drilled and new high-grade veins discovered since May 2020.

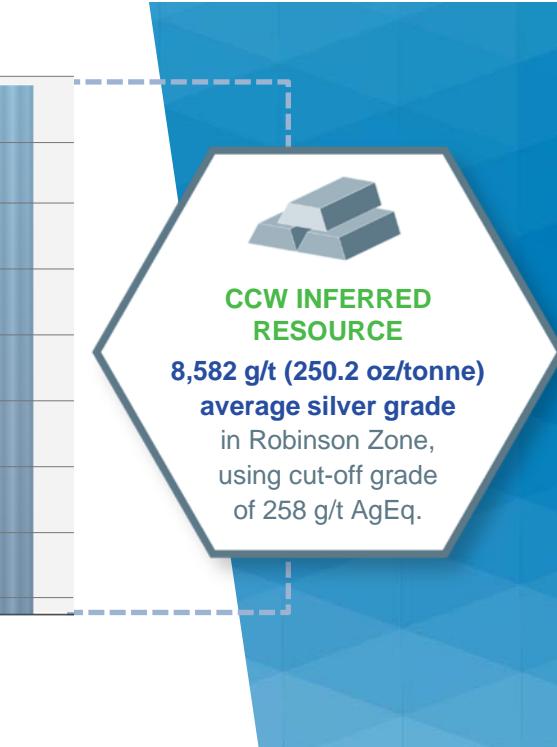
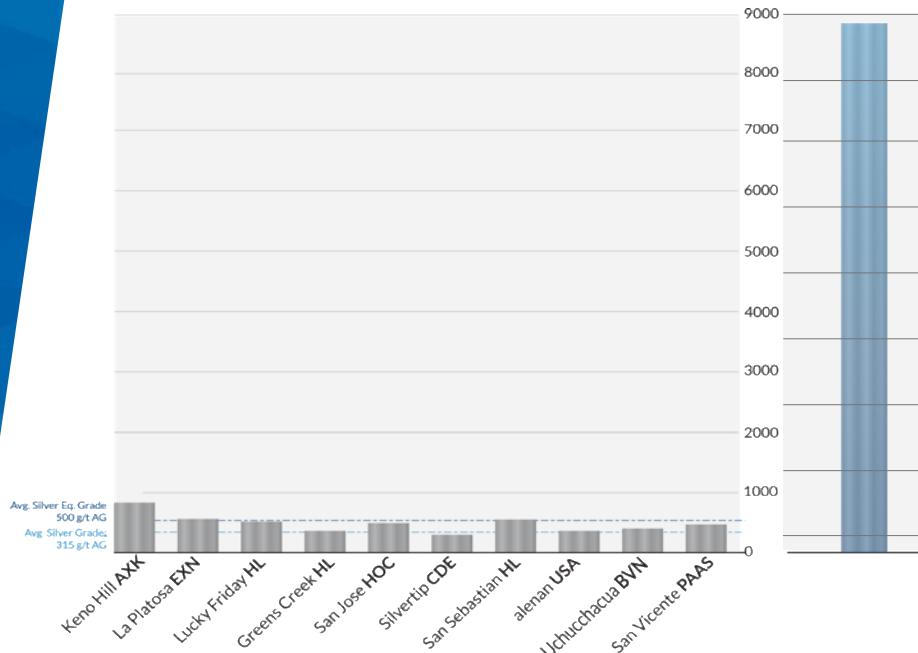


# 10 PEER COMPANY SILVER RESERVES Compared to Robinson Zone



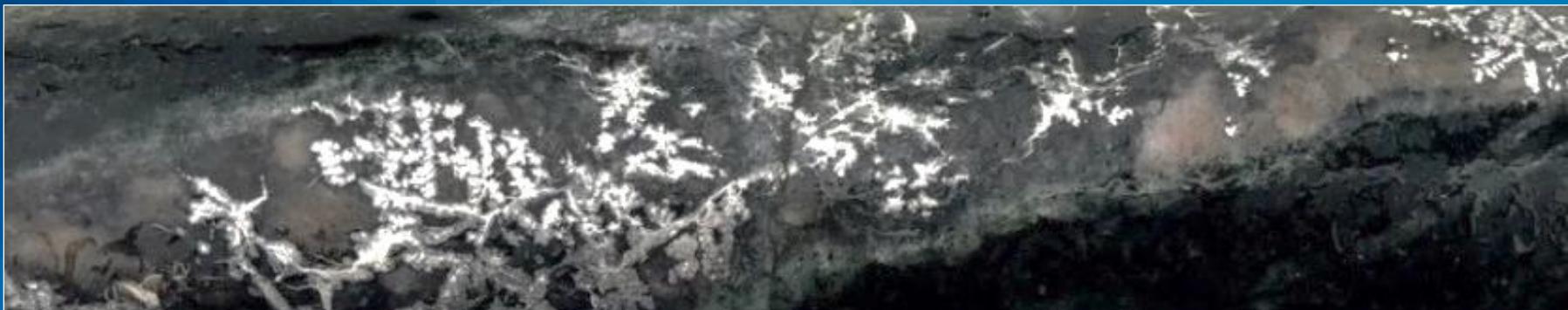
## AVERAGE SILVER EQUIVALENT AND AVERAGE SILVER GRADE RESERVES

High-Grade Reserves  
for Silver and Total  
Silver Equivalent



# 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 over 70 million ounces of silver** from  
the 3 major **past-producers within 2 km of the**  
**Robinson Zone**



**CS-20-39 (89,853 g/t Silver Grade)**

(1) AuEq calculated based on US\$27.625/oz Ag and US\$1,857.80/oz Au

# “BIG SILVER” VEIN 2 IS BEING EXPANDED Using Wedge Drilling

with 3 Intercepts above 50,000 g/t Ag or Greater than 20 oz/tonne Gold Equivalent

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.**

(1) See CCW News Releases April 26 and June 16, 2021.

AuEq calculated based on US\$27.625/oz Ag and US\$1857.80/oz.



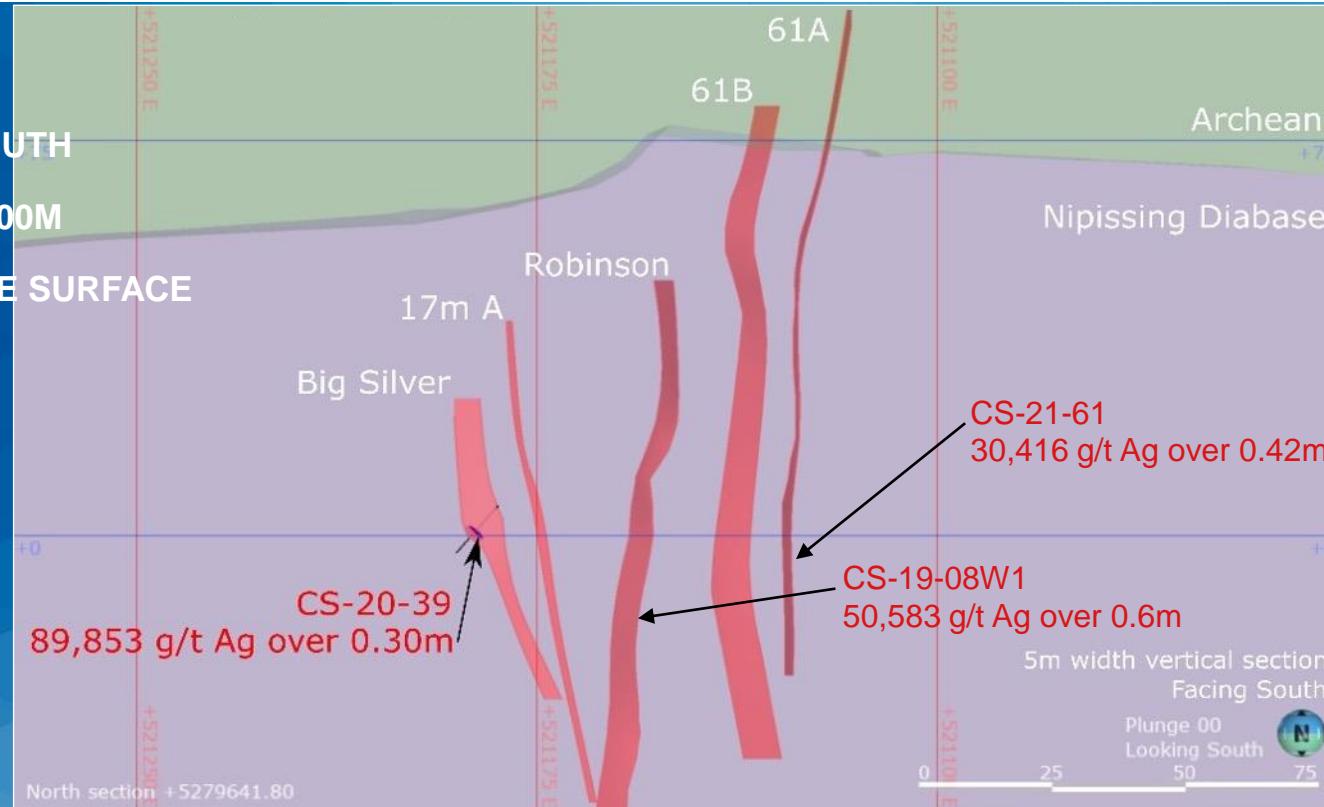
# CASTLE EAST Cross Section of High-grade Silver Veins



FACING SOUTH

APPROX. 400M

BELOW THE SURFACE





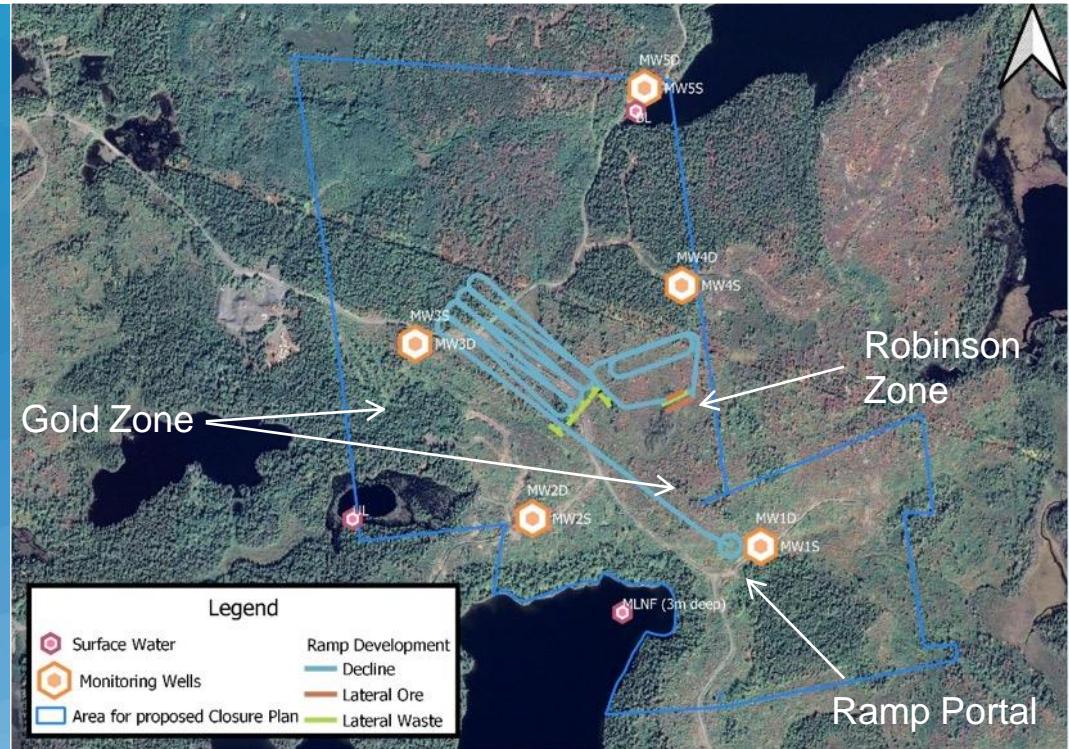
# CASTLE EAST Proposed Ramp Overview



**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**



(1) Timeline is estimated by the company and may be subject to delays.



# NEARBY TTL “MINI-MILL” Ready for Processing into 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**

Mini-Mill for high-grade **BULK SAMPLING AND PROCESSING**

High capacity bullion furnace  
**PRODUCES SILVER AND GOLD DORE BARS**

Possible synergies with CCW's  
**BULK PROPRIETARY GREEN RE-2OX PROCESS**



(1) See company news releases Oct. 10 and 24 and Dec. 4, 2019, Jan. 10 and July 31, 2020 and Jan. 15, 2021

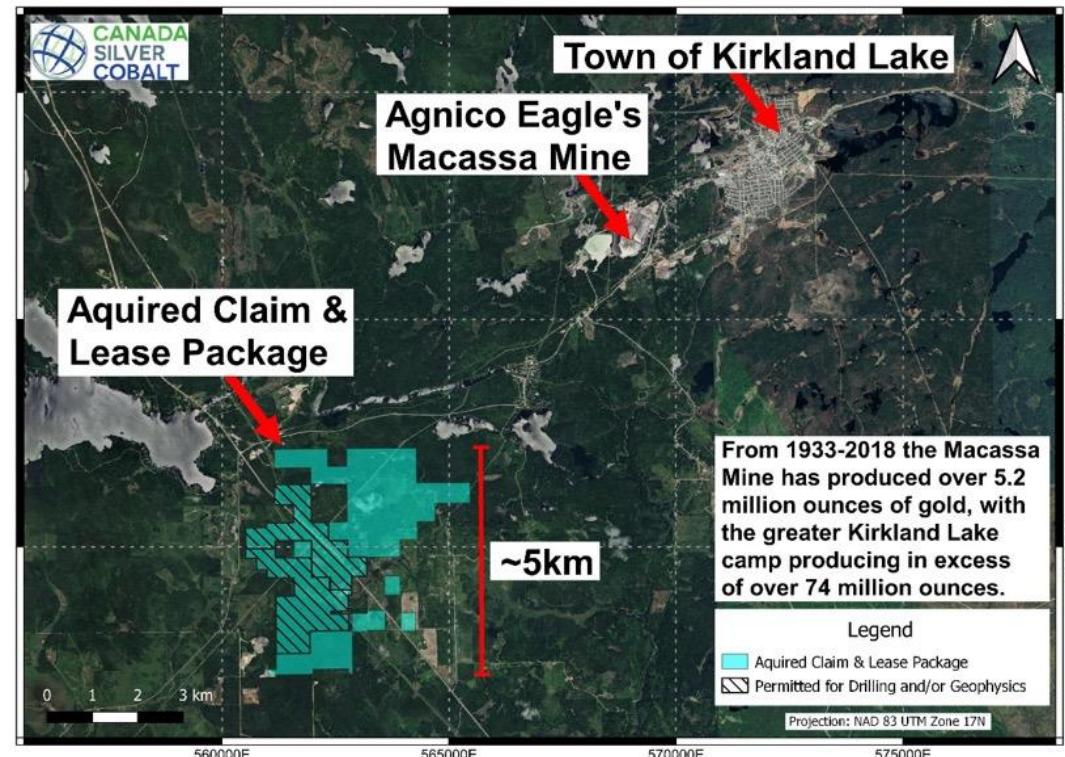


# EBY-OTTO Highly Prospective Gold Property

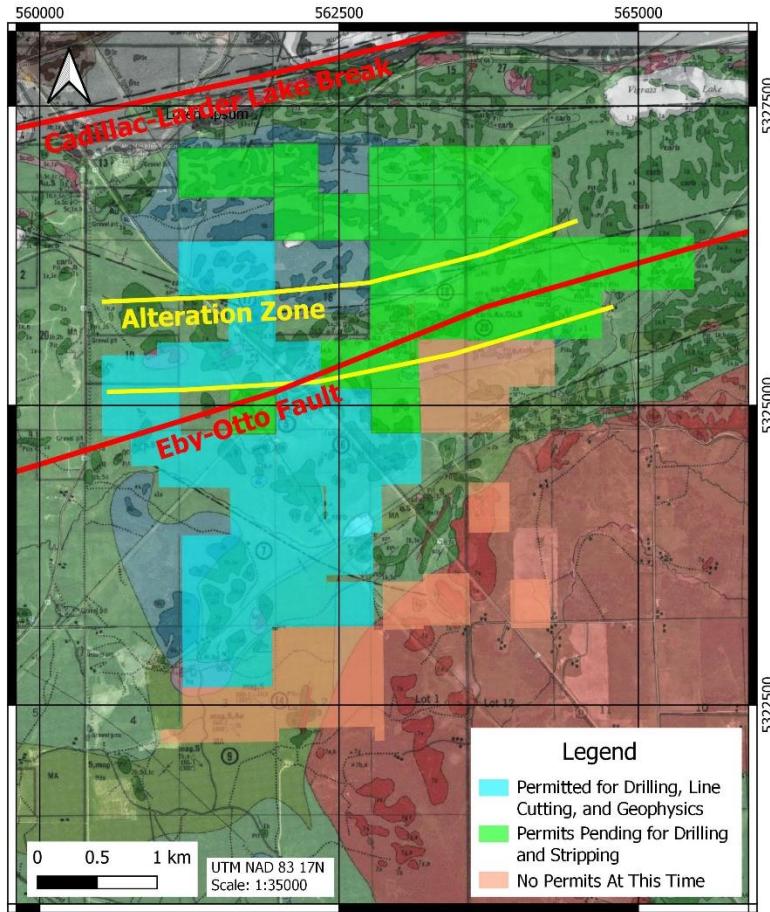


## 5 KM FROM AGNICO EAGLE'S HIGH-GRADE MACASSA MINE<sup>1</sup>

- 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



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



# PHASE 1 EXPLORATION UNDERWAY<sup>1</sup>

- **Geophysical DroneMag survey completed**, at a 25m line spacing
  - **Geological assessment underway** based on field work consisting of geological mapping, stripping key outcrops, channel sampling, creating access trails, and possible further MMI geochemical or targeted and detailed ground geophysics
  - **Drill targets to be identified** for a drilling program in the next phase

(1) For details, see CCW news releases August 3 and 30, 2021 and May 10 and August 22, 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 massive sulphide formation**
- Coniagas Battery Metals Inc. formed as CCW subsidiary to hold exploration properties and **Re-2Ox** in preparation for spin-out
- Green **Re-2Ox** processing technology for **cobalt, nickel sulphides needed in EV batteries**
- **Testing and design work for Pilot Plant underway** at SGS Lakefield



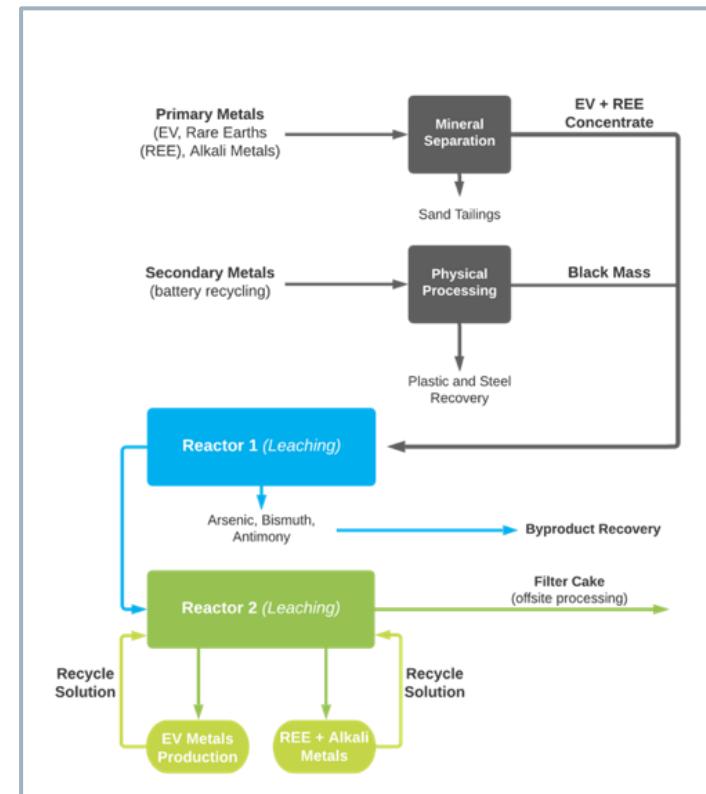
# PROPRIETARY RE-2OX TECHNOLOGY

Clean, Environmentally Compliant

- Re-2Ox 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 design and build a Re-2Ox 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 rare earth deposit

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

## Re-2Ox | PROCESS FLOWSHEET





# RE-2OX Development Timeline



- **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-2Ox 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



**COBALT SULPHATE PRODUCED  
FROM CASTLE MINE CONCENTRATE  
USING THE RE-2OX PROCESS**



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

# BATTERY METALS EXPLORATION

## Underway at Graal Property in Québec

- CCW acquired **14 properties covering 31,201 hectares** in the Lac St-Jean region of northern Québec 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



For details, see CCW news releases February 16, April 20, July 22 and November 15, 22, 24 and 29, 2021, and January 10 and 31, March 3, April 4, June 13 and 27 and August 15, 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

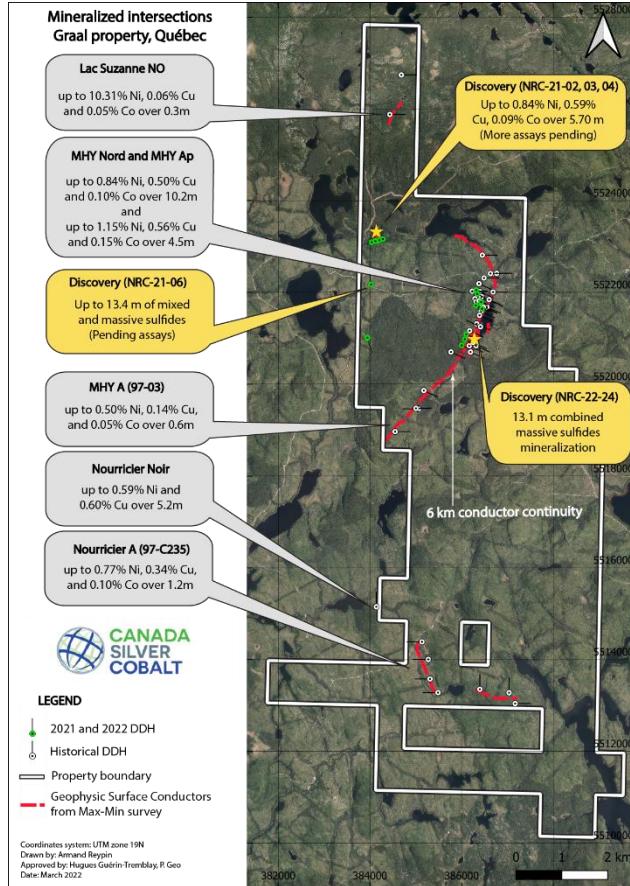




# GRAAL PROPERTY Potential World-class Deposit



- Evidence points to a **large deposit on the 6,113 hectares** and the **potential for a world-class battery metals camp**
- **6 km strike length mineralized with near-surface copper, nickel, and cobalt** (see map)
- Recent drilling intersected **massive and semi-massive sulphides** in most holes – up to **2.08% nickel** over 0.5m and **3.75% copper** over 0.6m, **plus cobalt, platinum and palladium**. Lab results pending.
- Historical drilling had **previously indicated a potential target of near-surface tonnage of 30 to 60 million tonnes<sup>1</sup>** 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
- The **tonnage excludes newly discovered mineralization** and **does not take into account any potential at depth**

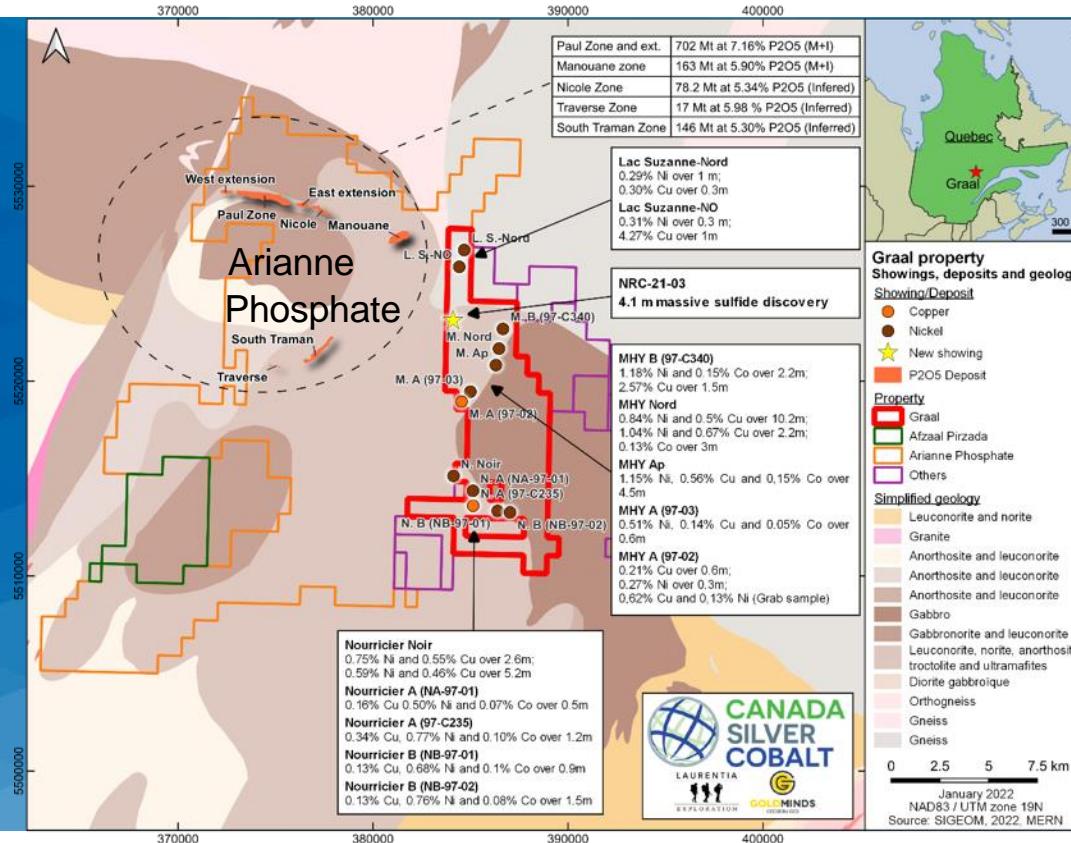


(1) Conceptual in nature. There has been insufficient exploration to define resource.

For details, see news releases November 24 and 29, 2021 and Jan. 10, Mar. 3, April 4, June 13 and 27 and Aug. 15, 2022.

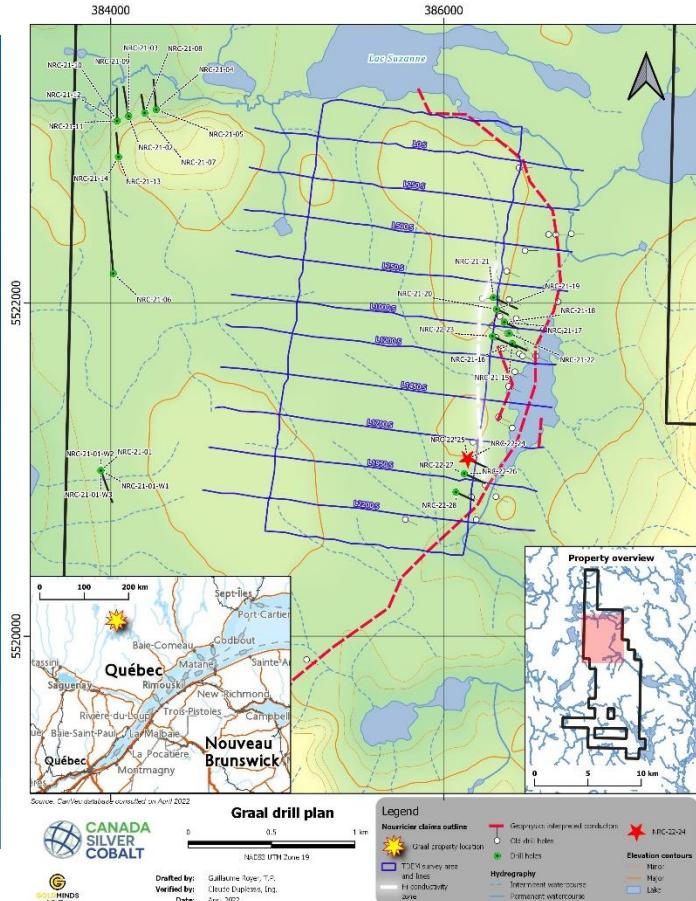


# GRAAL Area Map – Located Close to Arianne Phosphate Property





# 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

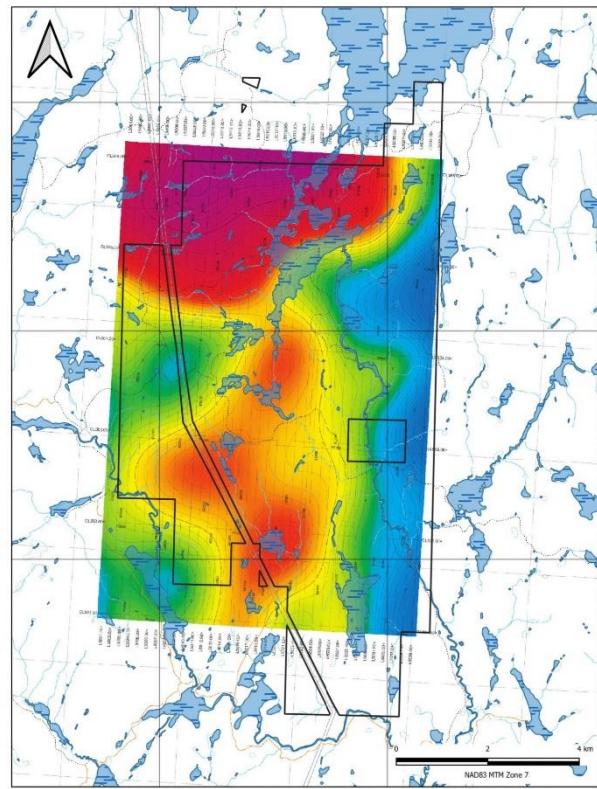
FL-TDEM Grid (blue lines)

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 planned 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.


**CANADA  
SILVER  
COBALT**

**GeoMINDS**

**TSX-V CCW**

**OTCQB CCWOF**

**FRANKFURT 4T9B**

**TSX-V CCW**

**OTCQB CCWOF**

**FRANKFURT 4T9B**

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**FRANKFURT 4T9B**

**TSX-V CCW**

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# CAPITAL STRUCTURE and Share Performance



## Canada Silver Cobalt Works Inc.

Shares Outstanding <sup>1</sup>	202,848,316
Market Cap (@\$0.12/share) <sup>2</sup>	\$25 million
Warrants <sup>1</sup> (\$0.21 - \$0.80)	89,197,539
Options <sup>1</sup> (\$0.21 - \$0.70)	6,853,335
Fully Diluted <sup>1</sup>	298,899,190

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



(1) Share numbers approximate, as of May 4, 2022

(2) Share price as of Aug. 3, 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
- **TTL Mini-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-2Ox** – ESG-compliant, low-carbon hydrometallurgical process to produce cobalt and nickel sulphate for EV battery producers and extract other critical metals
- **Coniagas Battery Metals Inc.** – Subsidiary to hold battery metals properties in preparation for potential monetization



Ag

Silver for solar panels/electronics



Ni

Co

Nickel and Cobalt for EV batteries



Cu

Copper for EV wiring



**CANADA  
SILVER  
COBALT**

# **HIGHEST SILVER GRADES IN THE WORLD**

**Critical Battery Metals  
Green Re-2Ox Processing Technology**

**MATT HALLIDAY P.Geo**

President and COO

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CANADA  
SILVER  
COBALT

## 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.

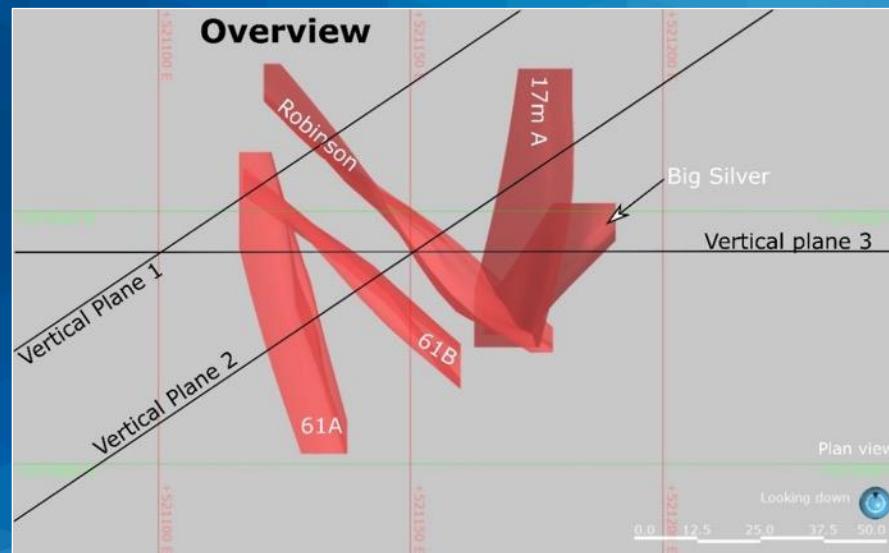


# CASTLE EAST Cross Sections



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

Facing Down

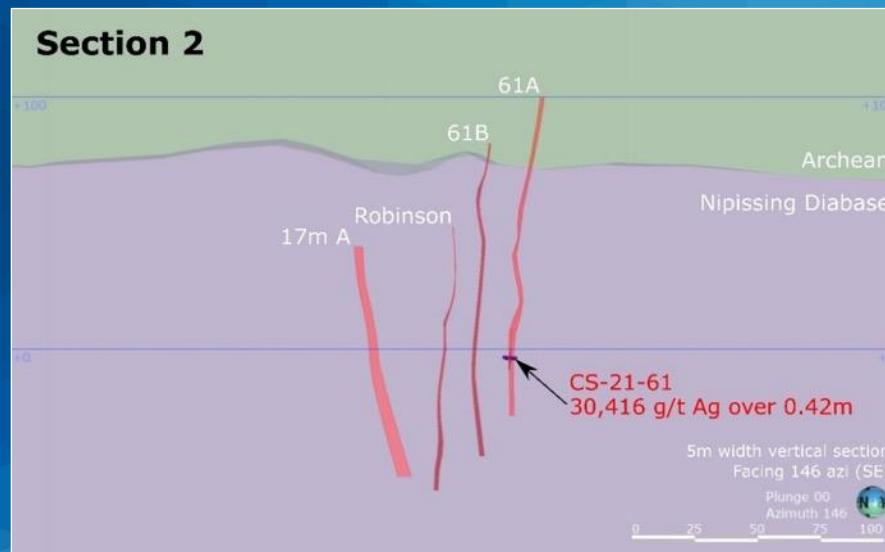


Facing Southeast



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

# Facing Southeast



# Facing South





# 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

(1) For details, see CCW news release May 25, 2021



## 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 silver-cobalt 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

(1) For details, see CCW news release Dec. 17, 2020.



# NEXT STEPS at Past-Producing Castle Mine



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

**ADVANCE TAILINGS** project

