

November 2024



# Viridian

METALS CORP



# SAFE HARBOUR STATEMENT



## FORWARD-LOOKING STATEMENTS

This presentation contains forward-looking information. Forward looking information contained in this presentation includes, but is not limited to, statements with respect to the success of exploration activities.

These statements are based on information currently available to Viridian Minerals Ltd. ("Viridian") and Viridian provides no assurance that actual results will meet management's expectations. In certain cases, forward-looking information may be identified by such terms as "anticipates", "believes", "could", "estimates", "expects", "may", "shall", "will", or "would". Forward-looking information contained in this presentation is based on certain factors and assumptions regarding, among other things, the estimation of mineral resources, the realization of resource estimate, gold metal prices, the timing and amount of future exploration and development expenditures, the estimation of initial and sustaining capital requirements, the estimation of labour and operating costs, the availability of necessary financing and materials to continue to explore Viridian's projects, the progress of exploration and development activities, the receipt of necessary regulatory approvals, the completion of environmental assessment processes, and assumptions with respect to currency fluctuations, environmental risks, title disputes or claims, and other similar matters. While Viridian considers these assumptions to be reasonable based on information currently available to it, they may prove to be incorrect.

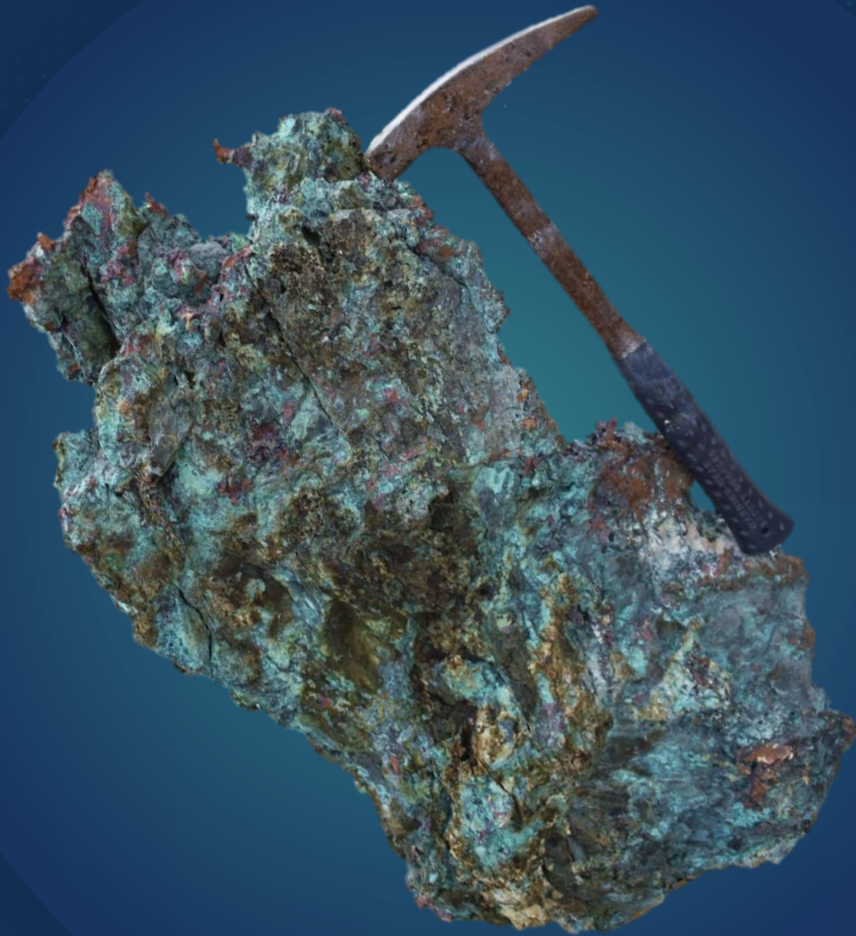
Forward-looking information involves known and unknown risks, uncertainties and other factors which may cause the actual results, performance or achievements of Viridian to be materially different from any future results, performance or achievements expressed or implied by the forward-looking information. Such factors include risks inherent in the exploration and development of mineral deposits, including risks relating to changes in project parameters as plans continue to be refined, risks relating to variations in mineral resources, grade or recovery rates resulting from current exploration and development activities, risks relating to changes in commodity prices and the worldwide demand for and supply of copper and gold, risks related to increased competition in the mining industry generally, risks related to current global financial conditions, uncertainties inherent in the estimation of mineral resources, access and supply risks, reliance on key personnel, operational risks inherent in the conduct of mining activities, including the risk of accidents, labour disputes, increases in capital and operating costs and the risk of delays or increased costs that might be encountered during the development process, regulatory risks, including risks relating to the acquisition of the necessary licenses and permits, financing, capitalization and liquidity risks, including the risk that the financing necessary to fund future exploration and development activities may not be available on satisfactory terms, or at all, risks related to disputes concerning property titles and interest, and environmental risks. This list is not exhaustive of the factors that may affect any of Viridian's forward-looking information. These and other factors should be considered carefully and readers should not place undue reliance on Viridian's forward-looking information. Viridian does not undertake to update any forward-looking information that may be made from time to time by Viridian or on its behalf, except in accordance with applicable securities laws.

## QUALIFIED PERSON

Tyrell Sutherland, M.Sc., P.Geo., Viridian's President and CEO, is a qualified person for the purposes of National Instrument 43-101. All technical information contained in this presentation has been approved by him.



# OVERVIEW



## MISSION

Pioneering ethical exploration in Labrador  
for a sustainable future



*At the heart of our company is a commitment to responsibly uncover Labrador's critical metal deposits, driving technological progress while upholding the highest environmental and social standards*

# CRITICAL MINERAL ASSETS



Projects in Labrador focused on Copper Nickel Cobalt and REEs

29 <b>Cu</b> Copper	28 <b>Ni</b> Nickel	27 <b>Co</b> Cobalt
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Renewable Energy Powered Grid



Advanced infrastructure



Major Producers in Province

- Vale
- Rio-Tinto
- Tata-Steel



Vale  
Voisey's Bay

Tata Steel  
Labrador Iron



Rio Tinto  
IOC



Champion  
Iron  
Lac Bloom



Tacora  
Sculley Mine



Churchill Falls  
5.4GW



Muskrat Falls  
0.8GW

## Kraken

- Nickel, Copper, Cobalt
- 183km<sup>2</sup>
- Same group of intrusions that host Voisey's Bay (>65Mt @ 2.4% Ni, 1.3% Cu ~0.1% Co, production + reserves)
- Mineralization exposed at surface in pods distributed over 37km
- >60 conductors, >800 electromagnetic anomalies within 150m of surface

## Sedna

- Copper, Silver
- 14km<sup>2</sup>
- Sedimentary copper basin
- Copper basin's host >1Bt deposits at grades of 1-3% Cu
- <10% of the seal basin has been explored



# ENERGY TRANSITION

## Net Zero Fueled by Metals

**80 mln**

Electric vehicles will be produced yearly by 2035, an increase from <6.6 million in 2021<sup>1</sup>



To reach net zero CO2 production the mining industry needs to find more mines

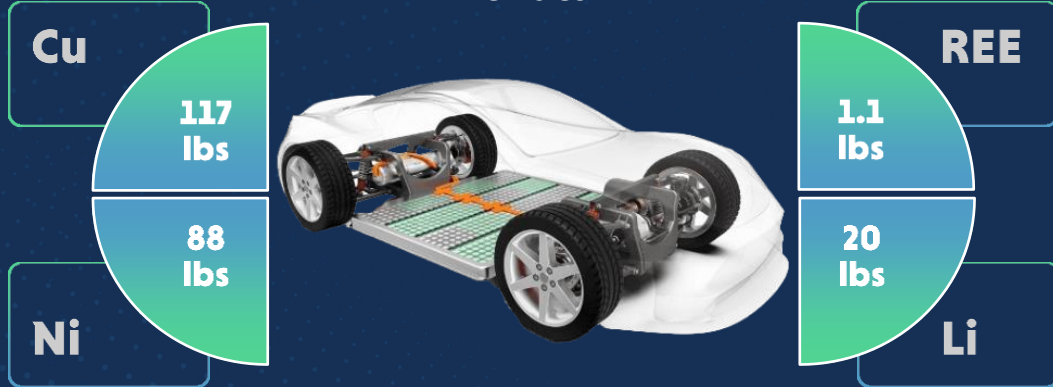
**60**

New Nickel Mines<sup>3</sup>

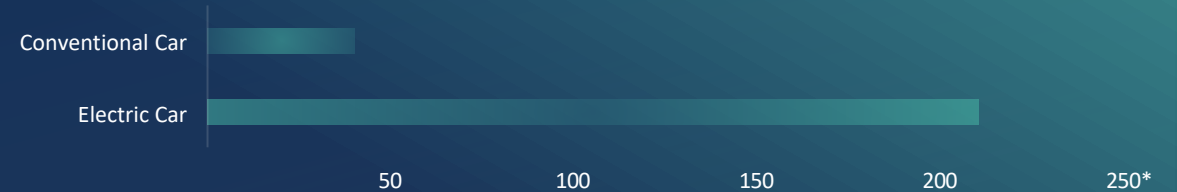
**17**

New Cobalt Mines<sup>3</sup>

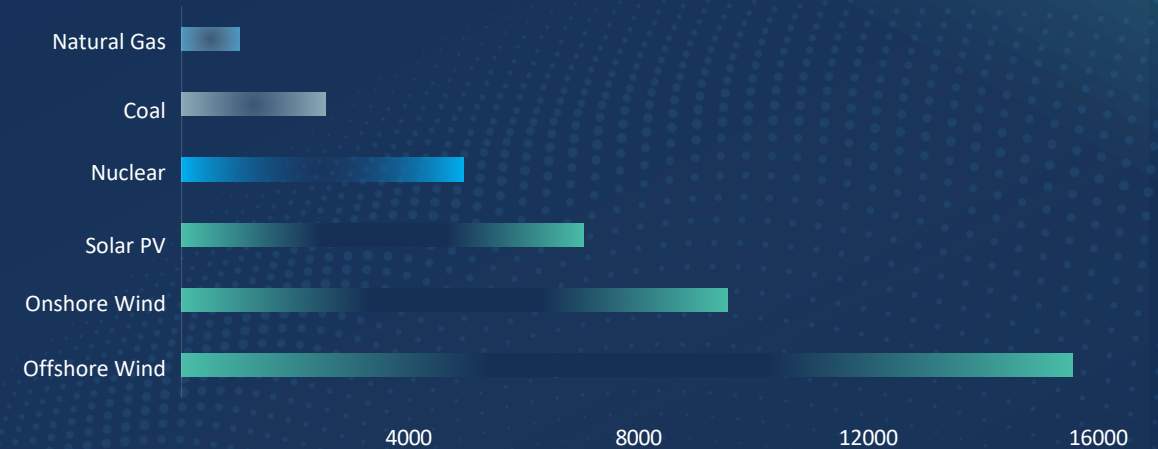
### Critical Metals Used in Electric Vehicles



### CRITICAL METALS USED IN VEHICLE PRODUCTION, kg



### CRITICAL METALS USED FOR POWER GENERATION, kg/mwh



<sup>1</sup>(2022) IEA Special Report: Global EV Outlook 2022

<sup>2</sup>(2022) IEA Special Report: The Role of Critical Minerals in Clean Energy Transitions

<sup>3</sup>(2022) IEA Special Report: Global Supply Chains of EV Batteries

<sup>\*</sup>(2021) Kleinman Center for Energy Policy: Rare Earth Elements A Resource Constraint Of The Energy Transition

# BOARD OF DIRECTORS



## Tyrell Sutherland

CEO at Viridian Metals Corp  
Canada

- Professional Geologist with 15 years of experience in the exploration industry
- Extensive background in working collaboratively with indigenous groups and conducting exploration activities in northern Canada
- Played a key role in the acquisition and initial resource growth of the Pickle Crow Mine by Auteco Minerals
- Served as a board member of Levon Resources during their sales process to Discovery Silver.



## Lee Bowles

CBDO at Viridian Metals Corp  
Canada

- Mr. Bowles brings over 25 years of investment experience with several independent investment dealers in Toronto, New York and London
- He is credited with helping build one of Canada's leading resource focused investment dealers
- Most recently, he provided institutional equity sales coverage with a focus on European based institutions.



## Alan Grujic

Board Member  
USA

- Alan Grujic, a Toronto-born innovator, has an impressive background in engineering and finance. He co-founded Infinium Group, a trailblazing trading firm, and Galiam Capital, a hedge fund with a quantitative edge.
- He created All of Us Financial, a venture that caught PayPal's attention for acquisition. In 2023, Grujic ventured into advisory roles in AI and biosecurity, and is now pioneering a stealth AI consulting startup.



# SENIOR LEADERSHIP



## Sabino Di Paolo

CFO at Viridian Metals Corp  
Canada

- Mr. Di Paolo, who is a Chartered Professional Accountant, CPA, CA, who specializes in private and public exploration companies
- He is a member in good standing of the Chartered Professional Accountants Ontario and Ordre des CPA du Québec.
- He Served as the CFO of (CGP.V), (UGM.V), (MKR.V), (EVR.V) as well as several other exploration and non-exploration public companies.



## Charlene Duffett

Exploration Manager  
Canada

- Ms. Duffett is born and raised in Goose Bay Labrador with a B.Sc., and M.Sc in Geology from Carleton University
- Her M.Sc., focused on mineral showing in the Central Mineral Belt of Labrador and has built on this research background with over 5 years of experience in remote exploration.
- She is a board member with She Connects a non-profit that provides mentorship to young woman and a passionate advocate for supporting woman in the mining industry.



## Coulter Wright

Government and Grant Funding  
Canada

- Coulter Wright has over 25 years of corporate finance, investment and start-up experience, including 12 years at AGF Investments as VP and Portfolio Manager of the Canadian Growth Equity Fund.
- In 2014, his investment in Real Matters led to an executive role, guiding the company through 3 acquisitions.
- Since 2016, he has co-founded and served as CFO of Charly Inc and redPADEL, and is the CFO of GetintheLoop Marketing.

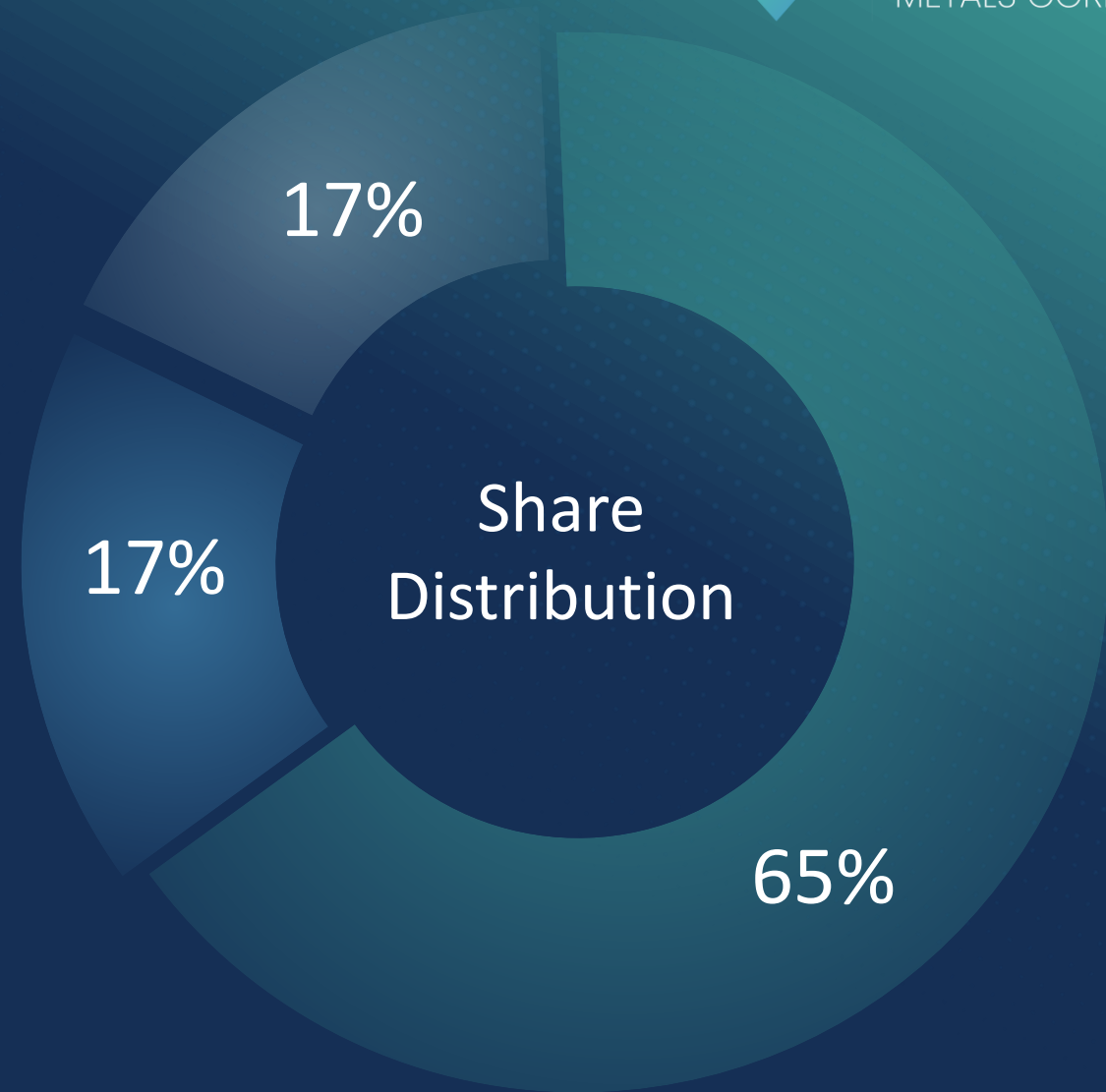


# FINANCIALS

Issued	49,471,224
Warrants	9,445,277
Options	0
<b>TOTAL</b>	<b>58,916,507</b>

## Share Distribution

Directors & Management	65%
Institutional	17%
Retail	17%





We are just scratching the surface. The real treasures lie in underexplored regions, where the lack of data spells opportunity. With cutting-edge tech and innovative approaches, we're on the hunt for world class discoveries in responsible jurisdictions.

**Tyrell Sutherland**  
CEO, Viridian Metals Corp



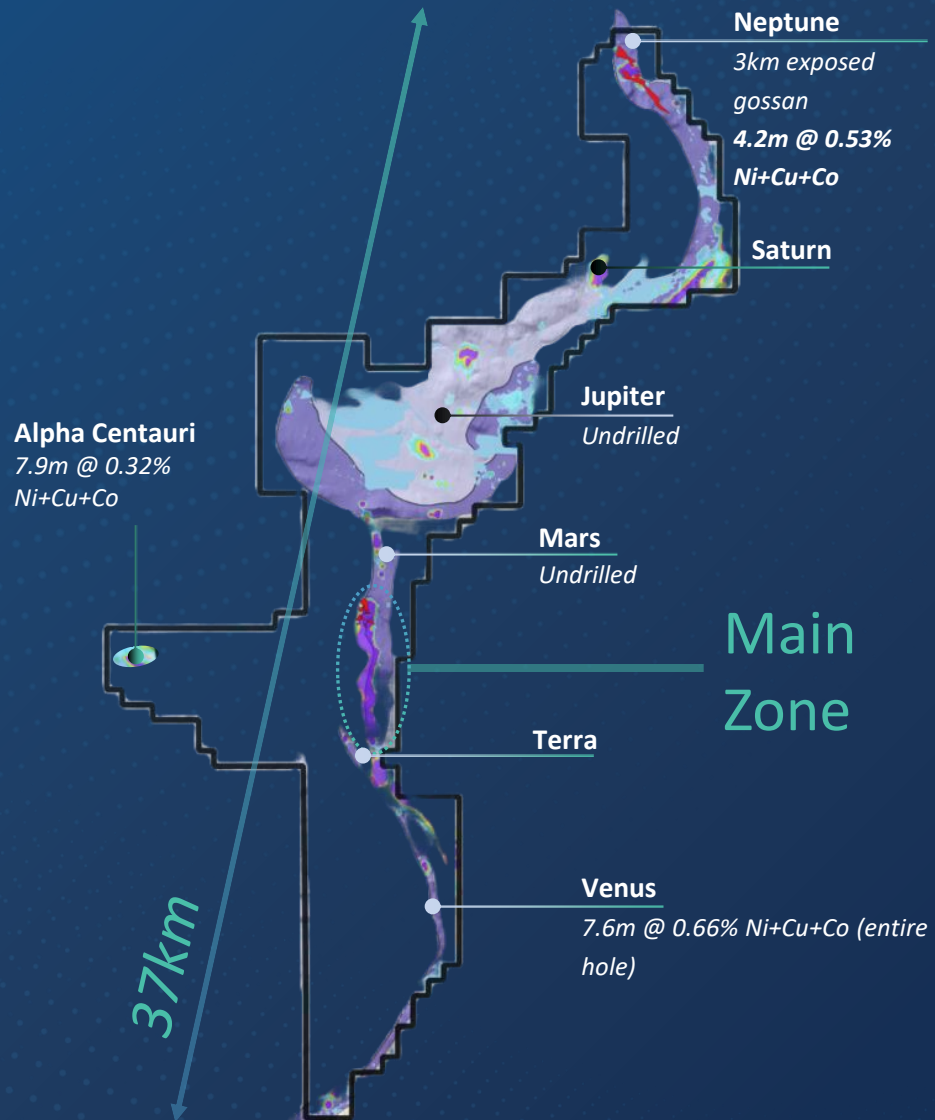
# KRAKEN

## Sulfide Copper Nickel Cobalt

Ni  
Nickel

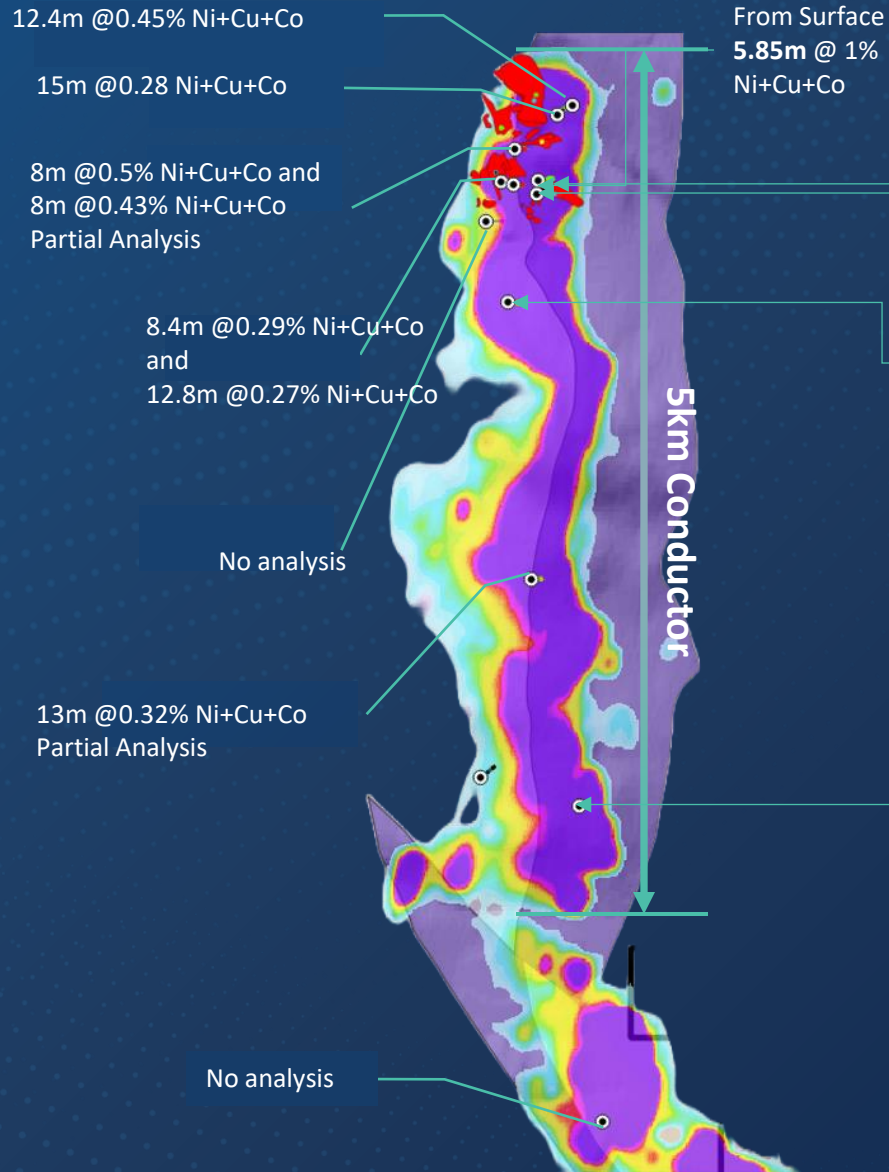
Cu  
Copper

Co  
Cobalt



- 185km<sup>2</sup> project area
- 45km of contact between ultramafic intrusion and basement rocks
- Mineralization at surface
- Historical work by Noranda/Kennecott and Teck Resources
- Channels up to 3m @ 0.35% Cu, 1%Ni, 0.16% Co
- Drill Intercepts up to 4.1% Cu
- Over 800 EM near surface anomalies in airborne TDEM survey
- Downhole EM has never been utilized

# KRAKEN MAIN ZONE



## Drilling

Ni Nickel	Cu Copper	Co Cobalt
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- High-grade targets not tested
- Kennecott did not sample all mineralization
- Historical Intercepts Kennecott *-Open in All Directions-*  
8m @ 0.5% Ni+Cu+Co (open up and down hole)
- Historical Intercepts Teck *-Open in All Directions-*  
46m @ 0.3% Ni+Cu+Co (from 2m)  
Including 18m @ 0.43% Ni+Cu+Co  
12.4m @ 0.45% Ni+Cu+Co (from 7m)
- Maiden Viridian Drilling *-Open in All Directions-*  
40m @ 0.28% Ni+Cu+Co  
14.8m @ 0.42% Ni+Cu+Co (From Bedrock Surface)

## EXPLORATION GOALS

- Long Life bulk tonnage open pit
- 100-200 million tonne resource @ 0.3%-0.4% combined Cu-Ni-Co

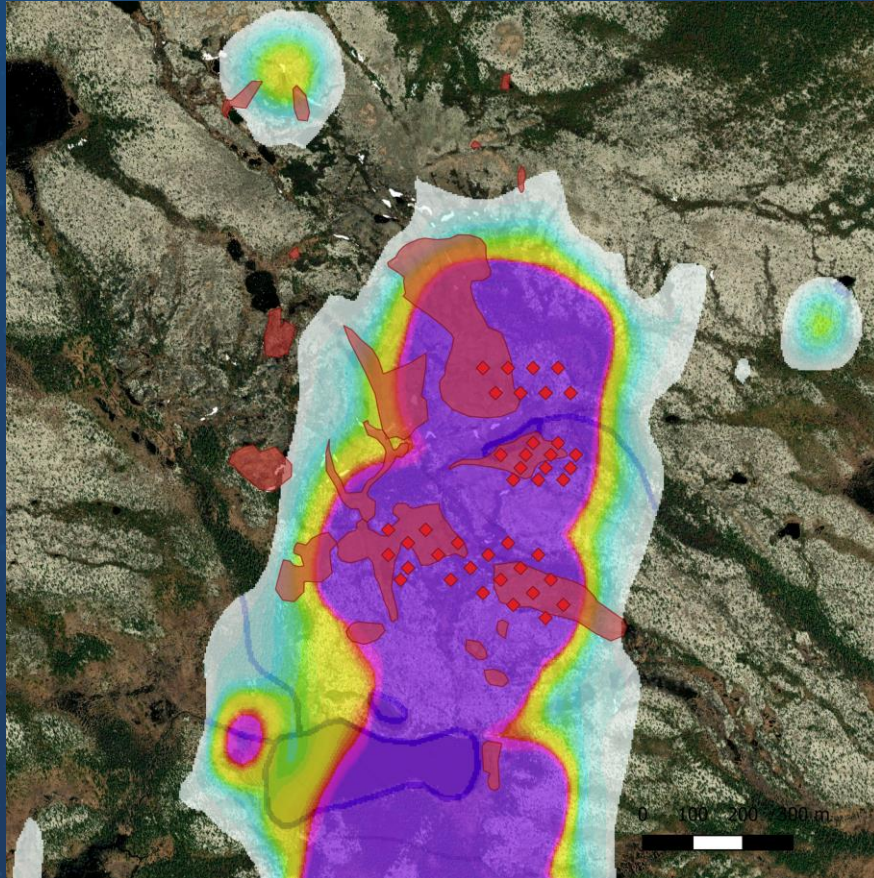
# STARTER RESOURCE

## Man-Portable Drilling

Ni  
Nickel

Cu  
Copper

Co  
Cobalt



- **Main Zone High-Grade**
  - 5.85m @ 1.0% Ni+Cu+Co mineralized from surface
- **Target**
  - 43 drill holes
  - Surface to 20m
  - Increase data density to define high-grade
  - 0 strip ratio
- **Mobile**
  - Man-portable
  - Cost per set-up <\$1k (standard rig >\$25k)
  - Cost to mobilize <\$15k (Standard rig >\$100k)

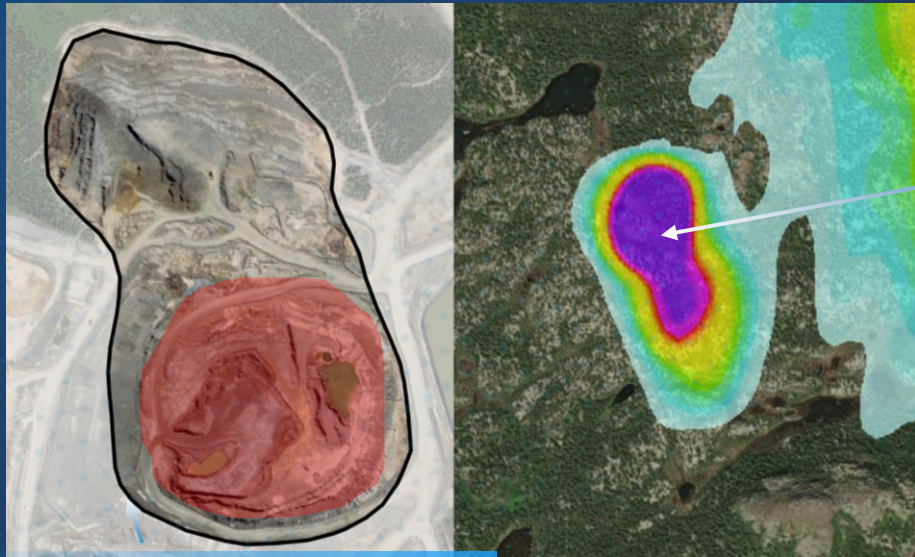
# KRAKEN SATELLITE ZONES

Ni  
Nickel

Cu  
Copper

Co  
Cobalt

## Kraken Satellite Zones

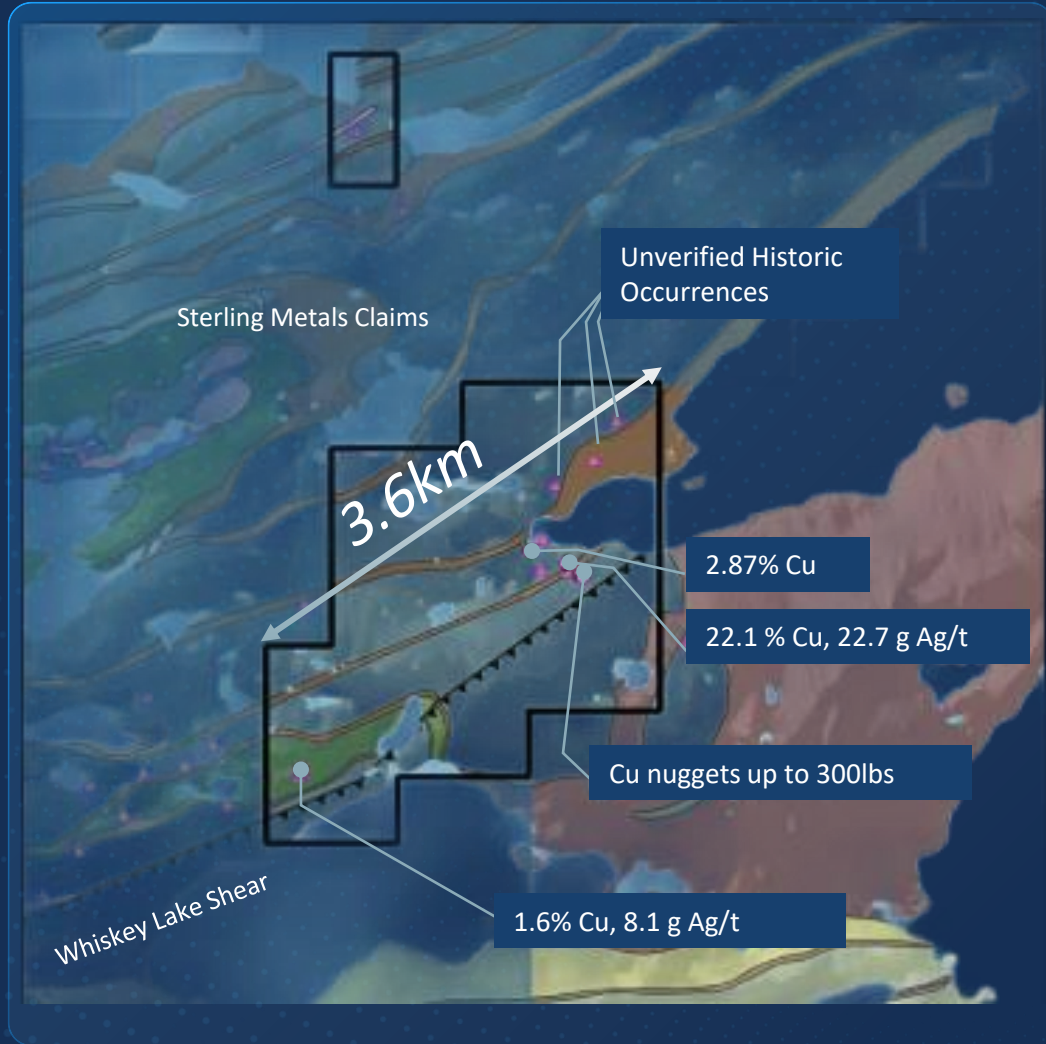


Voisey's Bay open pit (Ovoid in red) at scale

4.35M DEPTH AT VENUS TARGET: FIRST PASS ENDED IN 1.6% NI  
0.15% CO 0.4G PGE/T



- **Venus Target**
  - 0.5km Conductor, comparable to Ovid footprint
  - 7.55m @ 0.66% Ni+Cu+Co and 0.4g PGE/t mineralized from surface to end of hole
- **Neptune Target**
  - 1km Conductor with 2km<sup>2</sup> of mineralization at surface
  - 7.95m @ 0.32% Ni+Cu+Co mineralized from surface to end of hole Including 4.2m @ 0.53% Ni+Cu+Co
- **Mars Target**
  - 2.7km blind EM conductor, never tested
- **Jupiter Target**
  - 2.2km blind EM conductor, never tested
- **Saturn, Mercury Targets**
  - Single drill hole at each, all intersecting semi to massive sulfides



## Sedimentary Hosted Copper

Cu  
Copper

- 14km<sup>2</sup> project area
- Native copper nuggets up to 300lbs collected
- Domes and fold belts identified nearby, traps for sedimentary hosted copper deposits
- Little recorded historical work
- Sedimentary hosted copper deposits, such as Kamo-a-Kakula, are often greater than 1Bt at grades over 2% Cu.
- Seal Basin <5% staked and all recorded work within 15km of Seal Lake Open for Expansion-

## Geology

Cu  
Copper

- High grade copper in rock samples along 3.6km Whiskey Lake Shear
- Viridian channels include
  - 3.7m @ 5.3% Cu, 5.7g Ag/t
  - 1.4m @ 1.5% Cu, 1.6g Ag/t
- Historic work on adjacent claims include drill results:
  - 1.9m @ 4.7% Cu, 42g Ag/t at Adeline Island Showing
  - and trench results:
    - 11m @ 2.9% Cu, 46g Ag/t along Whiskey Lake Shear

# SEDIMENTARY COPPER

Geology

Cu  
Copper

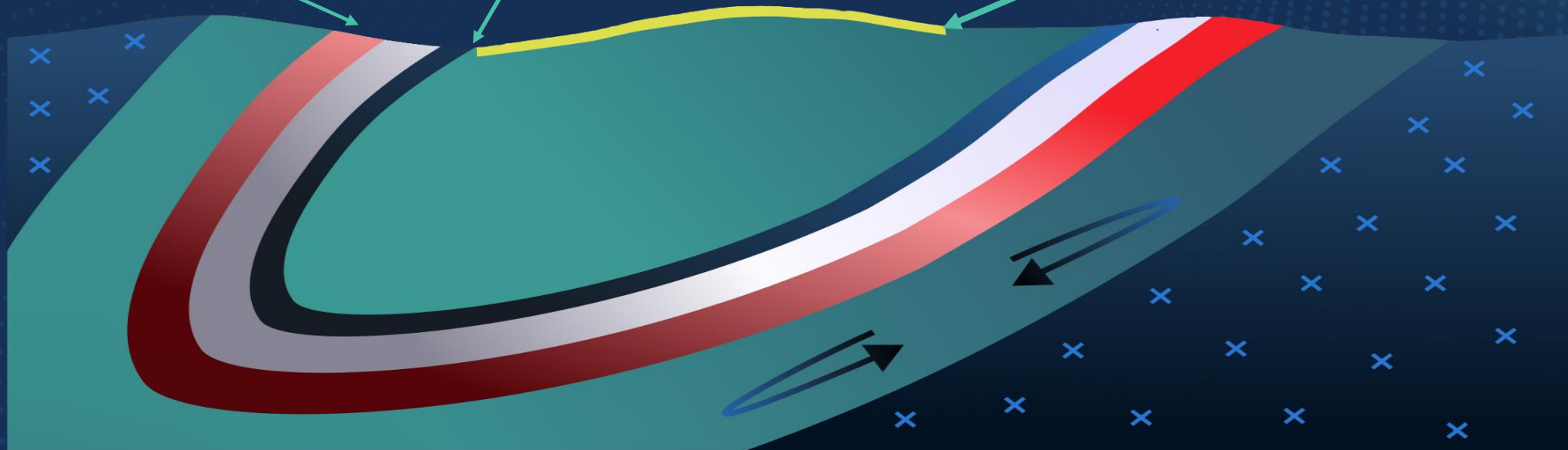
- Kamao-Kakula (Democratic Republic of Congo) 1,453Mt @2.7% Cu
- Udokan (Russia) 1,440Mt @1.05% Cu
- White Pine (USA) 560Mt @1.2% Cu

Historical work has been looking in the WRONG Place

This is where giant sedimentary copper deposits form

SEDNA PROJECT

ALL PREVIOUS WORK HAS BEEN FOCUSED HERE



# INVESTMENT HIGHLIGHTS



Unttested discoveries  
Critical to Green  
Revolution

100 %

**Projects 100% owned**

*NO underlying royalties*



**Clear path to maiden  
resources**



**Tight capital structure**



**TIER 1 jurisdiction**

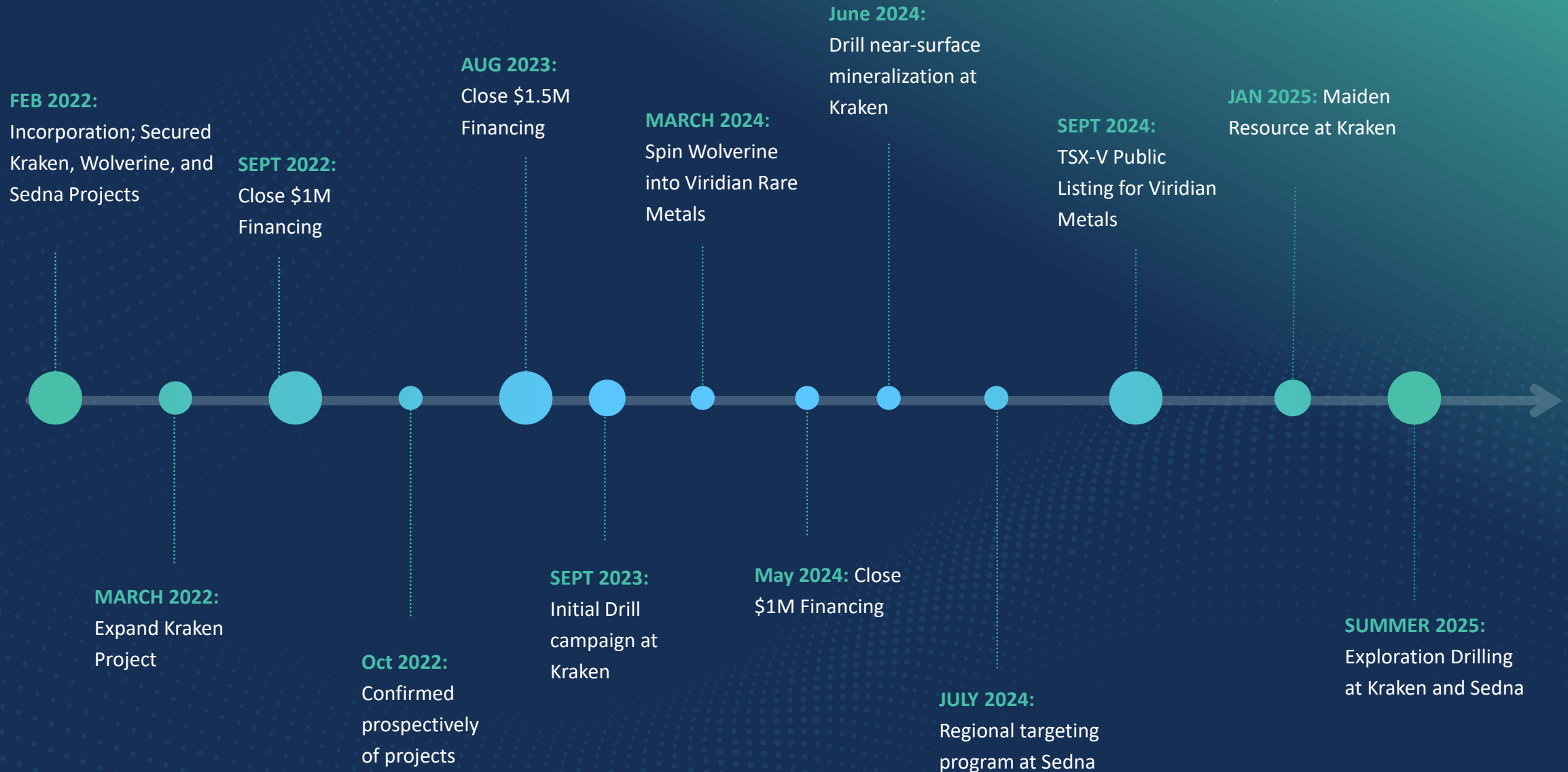


**Seasoned management**

*Team driven by discovery*



# ROADMAP

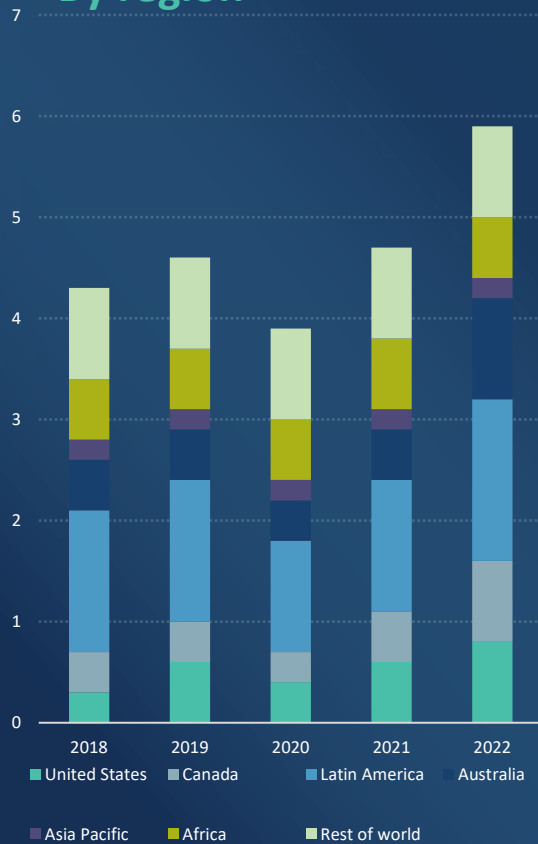


# MARKET FIGURES

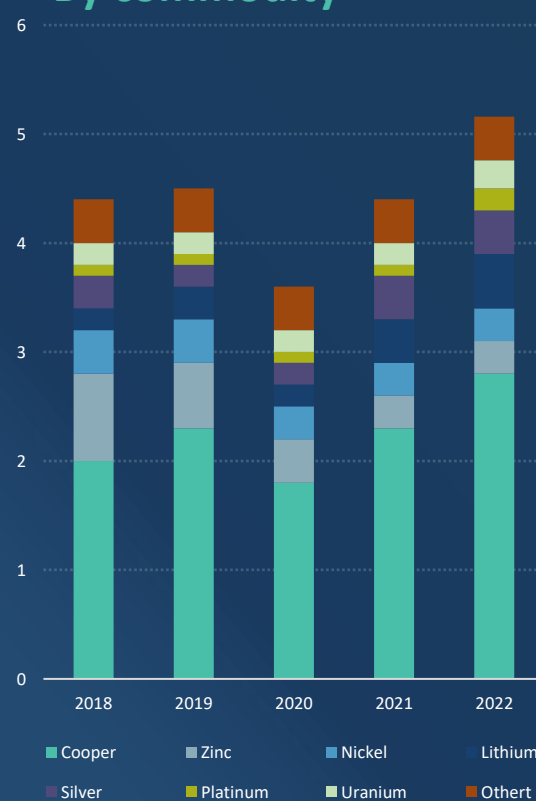
Exploration spending continued to march upwards, led by Australia and Canada, bIn USD (2022)

Exploration spending for selected nonferrous mineral resources

## By region



## By commodity



Market size for key energy transition minerals, bIn USD (2022)

## Copper



## Lithium



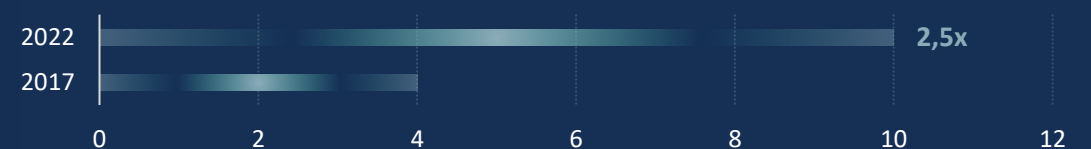
## Nickel



## Cobalt



## Rare earth elements



Thanks to heightened demand and rising prices, the market size for energy transition minerals doubled over the past five years, reaching USD 320 billion in 2022

# THE CANADIAN CRITICAL MINERALS STRATEGY

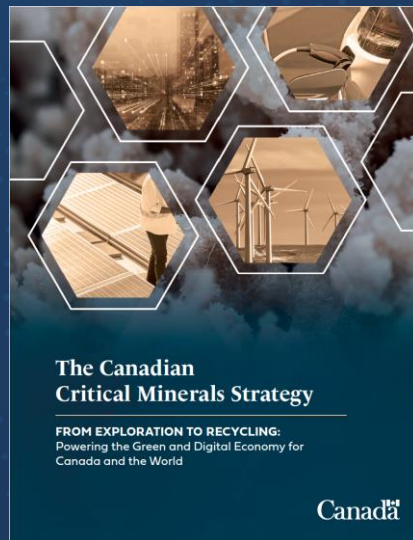
## The Canadian Critical Minerals Strategy: From Exploration to Recycling\*

**GOAL:** Secure a stable supply of critical minerals for economic and industrial growth.

**FOCUS:** Exploration, development, and responsible production of critical minerals.

**SIGNIFICANCE:** Supports technology, clean energy, and other key sectors.

**INVESTMENT:** Backed by nearly \$4 billion in Budget 2022.



## Critical Minerals Market Review 2023\*\*

**RAPID GROWTH PROJECTIONS:** Demand for clean energy minerals is rising rapidly.

**IEA FORECASTS:** IEA projections show significant growth, potentially exceeding 30 million tonnes by 2030.

**KEY DEMAND DRIVERS:** Electric vehicles and battery storage are key demand drivers.

**POWERING THE TRANSITION:** Low-emission power and electricity networks also contribute to increased demand.



\* <https://www.canada.ca/en/campaign/critical-minerals-in-canada/canadian-critical-minerals-strategy.html>

\*\* <https://www.iea.org/reports/critical-minerals-market-review-2023>

# MARKET FIGURES

EV makers are becoming serious about critical mineral supplies; there has been a notable pickup in strategic investment into the raw material sector since 2021

- before 2021
- after 2021

Market player	Long-term offtake			Investment in mining			Investment in refining		
	Lithium	Nickel	Others	Lithium	Nickel	Others	Lithium	Nickel	Others
BYD				●	●		●	●	
Tesla	●	●	●				●		
VW Group	●				●	●			●
General Motors	●	●	●	●					●
Stellantis	●	●	●	●	●	●			
Hyundai			●						
BMW	●		●				●		
Geely Auto									
RNM Alliance	●		●		●	●			
Mercedes - Benz	●								



Tesla: 5-year contract with Lontown Resources for 100,000 tonnes of lithium spodumene concentrate in 2024, growing to 150,000 tonnes in subsequent years.



General Motors: Long-term offtake contract with Vale Canada for 25,000 tonnes of battery-grade nickel sulphate annually, starting in 2026.



BMW Group: USD 335 million offtake deal with Livent to source lithium hydroxide in Australia.



Renault: 7-year deal with Management Group to source 5,000 tonnes of cobalt sulphate from Morocco, and 5-year deal with Vulcan Energy to source 6,000-17,000 tonnes of lithium annually.

# LABRADOR OPPORTUNITIES

## PROVEN CONCEPT

- a JV between Rio Tinto and BHP, is investing in upgrades and expansion, reflecting confidence in Labrador's critical minerals sector

## INCREASING DEMAND FOR CRITICAL MINERALS

- According to the USGS, global demand for rare earth elements is projected to increase by **51%** between 2020 and 2024

## SCOPE LABRADOR'S STRATEGIC LOCATION

- Proximity to major North American and European markets, combined with access to deepwater ports



## EXPLORATION POTENTIAL

- Little or no exploration in Labrador, mega deposits are likely to be found in such areas
- One of the largest mining jurisdictions by tonnes of material mined in Canada

## GOVERNMENT SUPPORT & INCENTIVES

- Programmes to support the exploration and development of critical minerals, including those in Labrador
- Federal government has invested CAD 7.8 million in (CMEP)

# GOVERNMENT PARTNERSHIPS



## Critical Minerals Infrastructure Fund (CMIF):

- Provides up to \$1.5 billion over 7 years.
- Funds clean energy and transportation infrastructure projects.
- Supports sustainable development and expansion of critical minerals in Canada.
- 2 applications submitted for Kraken and Wolverine projects.

## Critical Minerals Research, Development & Demonstration Program:

- Funds technological advancements in critical minerals production.
- Focuses on processing, downstream manufacturing, and recycling.
- Supports innovation across various stages of the critical minerals value chain.

75% of \$9M road projects\*

50% of \$4M technology project\*

## Junior Exploration Assistance Program (JEA)\*\*:

<https://www.gov.nl.ca/iet/mines/exploration/mip/jea/>

- Goal: Expand Newfoundland and Labrador's mineral inventory.
- Focus: Discover new mineral districts, occurrences, prospects, and deposits.
- Support: Advance mineral discoveries to NI 43-101 compliant resources.
- Outcome: Enhance the province's competitiveness as a mineral exploration destination.

## Canada's CMRDD Program: Supporting Critical Minerals Innovation

- Program Focus: Advances critical minerals production through pilot and demonstration projects.
- Target Minerals: Nickel, lithium, and rare earth elements (REEs).
- Funding: CAD 14.1 mln invested in 6 projects to date.
- Impact: Drives innovation and development within the critical minerals sector.

75% of \$300k for Exploration Activities\*

\*Critical Minerals Infrastructure Fund

\*\*Junior Exploration Assistance Program (JEA)

# TECHNOLOGY

## REVOLUTIONIZING EARLY DISCOVERY

Man-portable drilling is a crucial component of the early discovery process. However, Canada has lacked this capability for several years.

**Viridian** has bridged this gap by innovating and modernizing man-portable drilling technology for the 21st century.



# CONTACT US



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