

TSXV: **ORM**  
OTC: **ORMFF**



# GOLD AND CRITICAL MINERAL EXPLORATION IN QUEBEC

**Corporate Presentation**

8 February 2023





# DISCLAIMER

## Cautionary Statement Concerning Forward-Looking Statements

Neither the TSXV nor its Regulation Services Provider (as that term is defined in the policies of the TSXV) accepts responsibility for the adequacy or accuracy of this presentation.

This presentation contains "forward-looking information" including without limitation statements relating to the liquidity and capital resources of Orford and potential of one or more of the Qiqavik and West Raglan properties.

Forward-looking statements involve known and unknown risks, uncertainties and other factors which may cause the actual results, performance or achievements of Orford to be materially different from any future results, performance or achievements expressed or implied by the forward-looking statements. Factors that could affect the outcome include, among others: future prices and the supply of metals; the results of drilling; inability to raise the money necessary to incur the expenditures required to retain and advance the properties; environmental liabilities (known and unknown); general business, economic, competitive, political and social uncertainties; accidents, labour disputes and other risks of the mining industry; political instability, terrorism, insurrection or war; or delays in obtaining governmental approvals, failure to obtain regulatory or shareholder approvals. For a more detailed discussion of such risks and other factors that could cause actual results to differ materially from those expressed or implied by such forward-looking statements, refer to Orford's filings with Canadian securities regulators available on SEDAR at [www.sedar.com](http://www.sedar.com).

Although Orford has attempted to identify important factors that could cause actual actions, events or results to differ materially from those described in forward-looking statements, there may be other factors that cause actions, events or results to differ from those anticipated, estimated or intended. Forward-looking statements contained herein are made as of the date of this presentation and Orford disclaims any obligation to update any forward-looking statements, whether as a result of new information, future events or results or otherwise, except as required by applicable securities laws.

The TSXV has neither approved nor disapproved the contents of this presentation.

## Qualified Person and Quality Assurance and Quality Control

The disclosure of scientific and technical information contained in this presentation has been approved by Alger St-Jean, P.Geo, Chief Geoscientist of Orford, a Qualified Person under NI 43-101.

Samples reported in this presentation and indicated as grab, outcrop, sub-outcrop, boulders and float are grab samples. Grab samples are selective by nature and values reported may not be representative of mineralized zones. All drill intervals reported in this presentation are down-hole core lengths as true thicknesses cannot be determined with available information.

The work program at Qiqavik was supervised by Alger St-Jean, P.Geo, Chief Geoscientist who is responsible for all aspects of the work, including the quality control/quality assurance program. On-site personnel at the project log and weigh all samples prior to sealing and shipping. Sample shipments are sealed and shipped to Techni-Lab, Sainte-Germaine-Boulé, Québec. All gold assays reported were obtained by either 350-g screen fire assay or standard 50-gram fire-assaying-AA finish or gravimetric finish (method 1A2-5 and 1A3-50) at. The 350-g screen assay method is selected by the site geologist or the lab when samples contain coarse gold or higher percentage of sulfide mineralization that may be associated with gold relative to surrounding intervals. All samples are also analyzed for multi-elements, including copper and silver, using a four-acid method with an ICP-EOS and ICP-MS finish at Tech-labs affiliated Actlabs in Ancaster, Ontario. Overlimits were analyzed by peroxide fusion with ICP-EOS finish. Drill program design, Quality Assurance/Quality Control ("QA/QC") and interpretation of results is performed by qualified persons employing a QA/QC program consistent with NI 43-101 and industry best practices. Standards and blanks are inserted at a minimum of 10% and 5% for core and grab samples respectively for QA/QC purposes in addition to those inserted by the lab. A subset of samples has not yet been sent for a verification assay at another lab.

Techni-Lab Laboratory, is a subsidiary of Act Labs, is accredited (n. 707) by the Standards Council of Canada and found to comply with the requirements of ISO/IEC 17025:2005 (CAN-P-4E) and CAN-P-1579.

The technical information disclosed herein in respect of the Qiqavik Property is based on the independent report of Clement Dombrowski, P.Geo and Sylvain Desbiens P.Geo. titled "NI 43-101 Technical Report on Qiqavik Project, Northern Quebec, Canada" effective September 14, 2017, and on Orford Mining's press releases available on SEDAR. The information disclosed herein in respect of the West Raglan Property is based on the independent report of Clement Dombrowski, P.Geo. titled "NI 43-101 Technical Report on West Raglan Project, Northern Quebec, Canada" effective February 20, 2017. and on Orford Mining's press releases available on Sedar.





## BIG PROPERTIES + BIG GRADES = BIG POTENTIAL

Approx. 1,709 sq kms  
of prospective land in 12  
properties in Quebec Canada with  
6,000 metres drilled in 2022

### Qiqavik

Gold/Copper/Li

- 402 sq kms
- 100% owned
- Drilled 2,720 metres
- Discovered several new Gold Bearing Quartz Carbonate vein and alteration system.
- Visible Gold in Core
- New Transformative targeting for 2023
- Proposal for 2023 is underway

+

### West Raglan

Ni/Cu/PGM

- 713 sq kms
- 100% owned
- Wyloo Metals Earning in
- Drilled 2,589 metres
- 2022 drilling - new Nickel Sulphide lens and extended size of Frontier zone
- Proposal for 2023 is underway

+

### Nunavik Lithium

Li

- 334 sq kms
- (6 + properties)
- 100% owned
- Strong lake lithium indicators in lake sediments or grab samples and/or pegmatites mapped
- No previous exploration for Lithium in Region.
- 70 kms to all season Deep Sea port

+

### Joutel Regional

Gold/Copper

- 260 sq kms
- 100% owned or option to own 100%
- 707 metres drilled
- Drilled the South Gold Zone on Joutel Eagle and discovered a thicker gold zone than previously known.
- Commenced a 2,000 metre drill program January 2023.

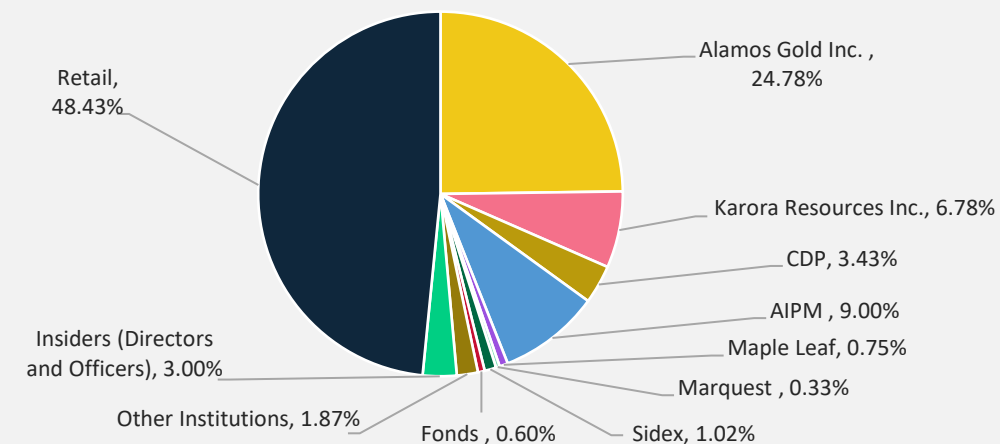
# CORPORATE SNAPSHOT

Capital Structure and Share Performance – Raised \$28 million since Oct 2017 RTO

## Capital Structure

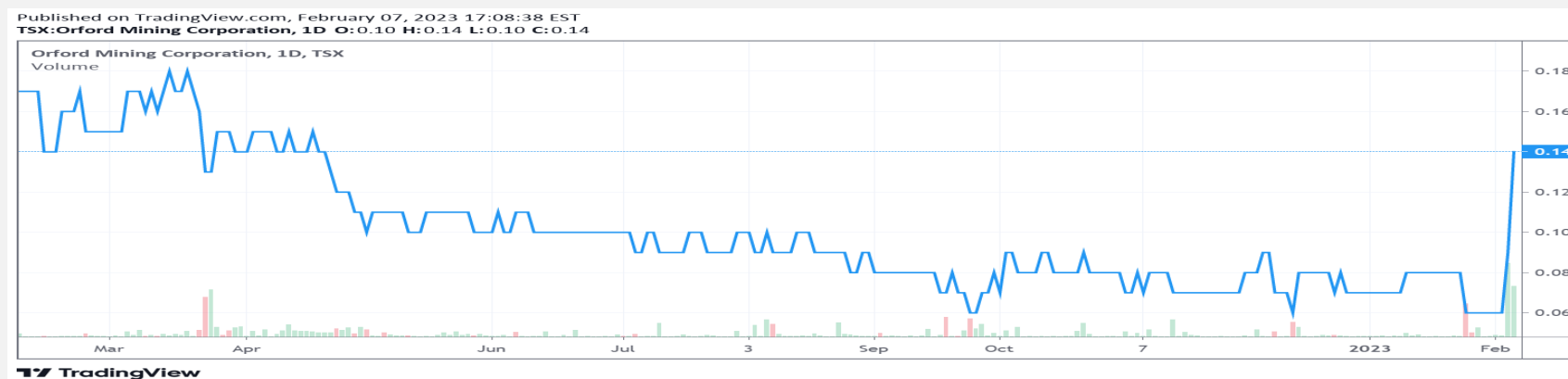
Ticker	TSXV:ORM
Share Price (as of February 7, 2023)	C\$0.125
Basic Shares Outstanding <sup>1</sup>	165.96M
Options (@ average \$0.18 strike)	12.78M
Warrants (@ average \$ 0.21 strike)	35.38M
Fully Diluted Shares Outstanding	205.07M
Market Capitalization (Basic)	C\$20.75M
Cash (October 31, 2022)	C\$3.29M

## Share Ownership



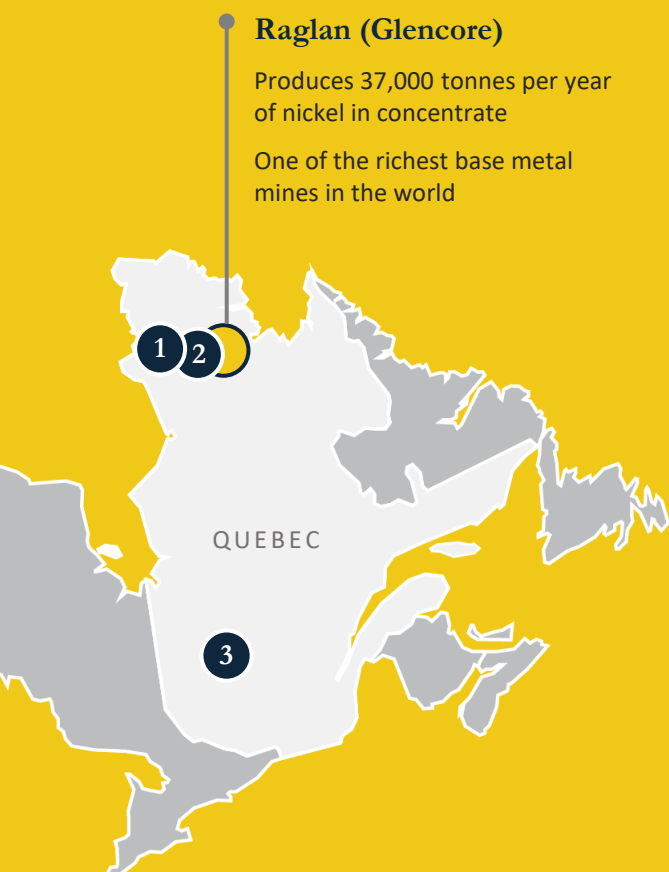
## TSX-V

(January 26, 2023)



# PROJECT PORTFOLIO – LARGE REGIONAL PROPERTIES

2022 will be the Biggest Year of  
Exploration Expenditures in our History



## 1,108 km<sup>2</sup> land position in the highly prospective and underexplored Cape Smith Belt and 260 km<sup>2</sup> in the heart of the Quebec Abitibi.

Quebec is consistently viewed as one of the most attractive jurisdictions from a mining investment point of view.

### 1. Qiqavik Project (Au, Cu, Li) (100%)

- Camp Scale Property with several multi ounce boulder trains such as the Annick Trend intersecting major structures such as the IP Lake Structural zone.
- The property is a previously unexplored part of the Cape Smith Belt
- New Potential Gold Camp with Opportunity to host multiple deposits
- \$4.0 million budget in 2022 resulted in significant discoveries

### 2. West Raglan Project (Ni, Cu, PGE's) (100% Interest)

- Wyloo Metals Pty Ltd. has entered an earn in agreement with Orford to earn up to a 80% interest by spending \$25 million amongst other items.
- ~713 km<sup>2</sup> property in the lower Cape Smit Belt Covering the stratigraphy of the North (Raglan Trend) and South (Nunavik Nickel) ultramafic Trends
- Advanced Exploration: Traced outcropping sulphide mineralization over +35 km strike
- Frontier Zone: identified five high-grade (2-3% Ni, 3+ g/t PGE) mineralized lens clusters over a 2,500 m strike (comparable geology to Glencore's Raglan Mine)
- After a nearly \$2 million budget in 2021 completing MLTEM – SQUID to define targets, the 2022 program consisted of a \$4.9 million predominantly diamond drilling budget with significant discoveries resulting

### 3. Joutel – Eagle (option to 100%) ,McClure East, Joutel South and Joutel Omega (Au) (100%)

- Located in the prolific gold mineralized Casa Berardi /Joutel Structures, in the heart of the Abitibi region (accessible by road)
- Area last saw exploration in the early 1990's.
- Winter/Spring 2022 drilling program on the Joutel Eagle Option.
- Properties are the underexplored extension of the Joutel trend that hosted both Agnico-Eagle Mines Ltd.'s (AEM-T) founding gold mine Eagle/Telbel which produced in excess of 1.1Moz of gold and a number of copper assets that have produced 24 Mlbs of copper, 116Mlbs of Zinc and 52Mlbs of silver<sup>1</sup>

### 1. Lithium Properties in Nunavik (Li) (100%)

- 334 square kilometres of land acquired in February 2022 covering 6 main properties and a number of smaller properties.

### Royalties

Owns a 3.5% NSR on the Falan property (Baroyeca gold and Silver Inc.) and a 2% NSR on the Santa Ana property (Outcrop Gold Corp.) both in the Mariquita Silver district of Columbia. This district was one of Colombia's most prolific colonial silver camps.

1. (Système d'information géominère of Québec "SIGEOM", Quebec Ministry of Energy and Natural Resources. April 20, 2020)



# MANAGEMENT

High Quality Exploration and Finance Team – With a Solid Track Record of Wealth Creation

## DAVID CHRISTIE

President, CEO, and Director

- Professional Geologist (in Ontario and NWT and Nunavut) with more than 35 years of experience in the resource sector
- Former Vice President with Goodman & Company Investment Counsel and Dundee Resources Inc.
- Former President, CEO, and Director of Eagle Hill Exploration and former mining research analyst at TD and Scotia
- Former Director of eCobalt Solutions Inc., Osisko Mining Inc. and Condor Precious Metals (private)

## CINDY DAVIS

CFO

- Accounting professional with 18 years of accounting experience, 12 of which has been with Marrelli Support Services at a Senior Level. Registered as a CA and a CPA.

## ALGER ST-JEAN

Chief Geoscientist

- Professional Geologist (in Quebec and Ontario) with +25 years of experience in mineral exploration and development
- Currently Chief Operating Officer of Dumont Nickel – Magneto Investments LP
- Previously VP Exploration & director of Orford Mining, former VP Exploration of RNC Minerals (Karora Resources) and former Senior Geologist at Xstrata Nickel (formerly Falconbridge)

## MICHELLE SCIORTINO

VP of Exploration

- Professional Geologist (in Ontario) with +14 years of experience in mineral exploration and development
- Previously Senior Project Geologist with RNC Minerals (Karora Resources), and Senior Geologist of Orford Mining



# BOARD OF DIRECTORS

High Quality Capital Markets/Mining Focused Board

## PETER MACPHAIL

Chairman

- Professional Engineer with over 25 years of operational experience
- Former Chief Operating Officer of Alamos Gold Inc,
- Former Chief Operating Officer of AuRico Gold

## LAWRENCE SMITH

Director

- +25 years of experience in investment management, equity research, and banking – MBA and CFA holder
- VP Portfolio Management and Research at CIBC Asset Management, Director of Equity Research at Scotia Capital and Blackmont Capital, and Project Manager – Corporate Development at Rio Algom Limited

## JOHN MCCLUSKEY

Director

- John McCluskey is the President and Chief Executive Officer (and director) of Alamos Gold Inc. and has held this position since 2003 when he co-founded the Company with mining hall of famer Chester Millar.
- Mr. McCluskey was formerly a Director of the World Gold Council and is currently an Alternative Director.
- Mr. McCluskey was the recipient of the 2018 Murray Pezim Award for Perseverance and Success in Financing Mineral Exploration by the British Columbia Association for Mineral Exploration. This award recognized Mr. McCluskey's role in the acquisition, financing, and encouragement of successive discoveries at Mulatos, as well as his ongoing success as CEO of Alamos.
- Mr. McCluskey was also named Ontario's 2012 Ernst & Young Entrepreneur of The Year, based on a judging panel's assessment of financial performance, vision, leadership, innovation, personal integrity and influence, social responsibility, and entrepreneurial spirit.

## MARK GOODMAN

Director

- Former Executive VP and COO of Dundee Corporation and Chairman of Dundee Sustainable Technologies
- Previous CEO of Ryan Gold, Valdez Gold, Cogitore Resources, a base metal exploration company in Northern Quebec

## BEN PULLINGER

Director

- Professional Geologist (in Ontario) with over 17 years of exploration and mining experience
- Currently Senior Vice President Exploration and Business Development at ATEX Resources Inc.
- Former Executive Vice President of Geology at Golden Star Resources Ltd.
- Former Senior Vice President of Geology and Business Development at Excellon Resources Inc.
- Former Vice-President Exploration at Roxgold Inc.

## MONIQUE RABIDEAU

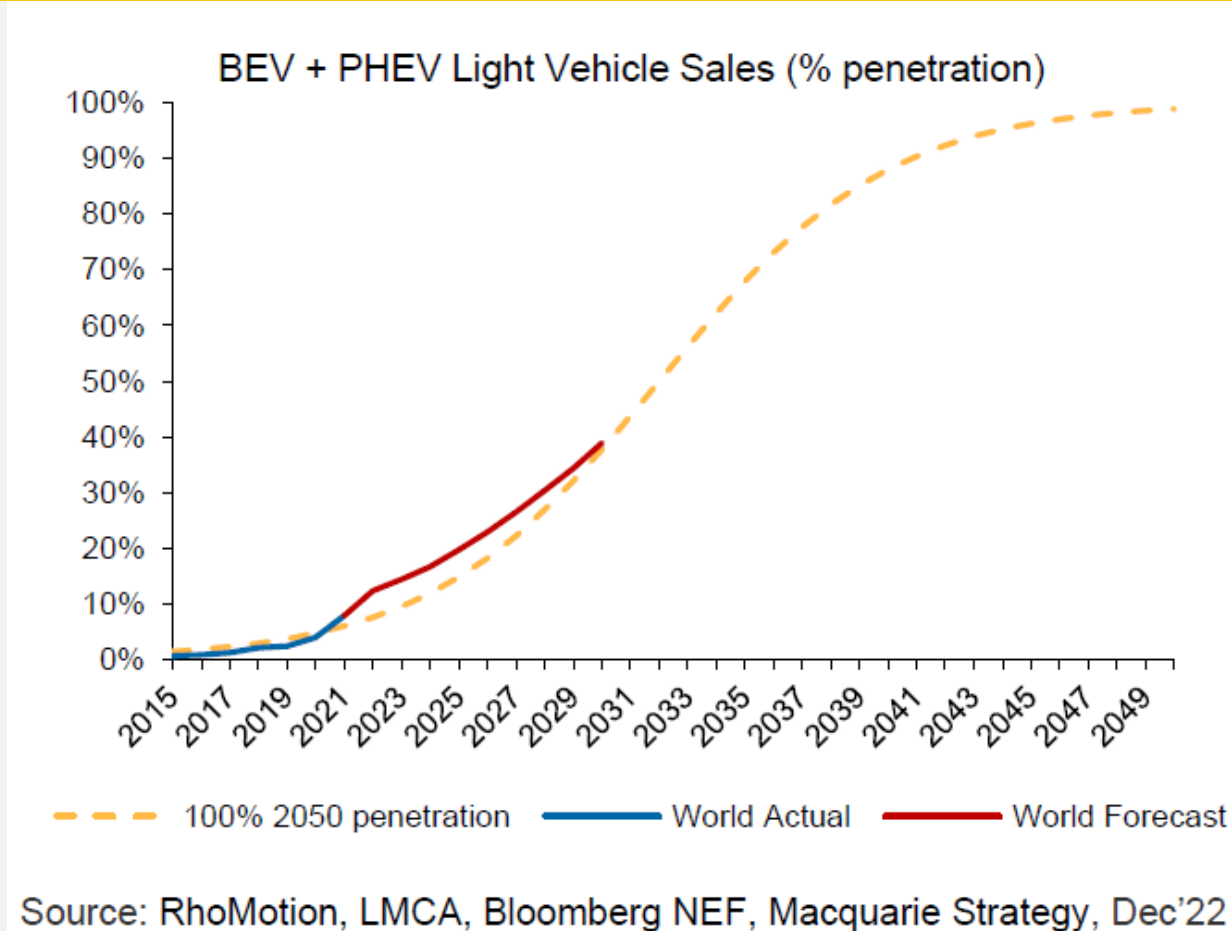
Director

- Monique is the Practice Lead, Capital Markets and Securities for Practical Law Canada at Thomson Reuters. Previously with Fogler, Rubinoff LLP, a full service law firm in Toronto where she practiced for 22 years in the business law dept.
- Chair of the Board of the Dancer Transition Resource Centre.
- Graduated magna cum laude from McGill in 1988 then obtained her Juris Doctor from the University of Toronto in 1991
- Monique was previously a director of eCobalt Solutions Inc.

# CRITICAL MINERALS MACRO

EV Sales and demand forecasted to continue to grow and drive demand in metals

EV Sales penetration Forecast on an S – Curve Towards 40% Global Sales penetration by 2030



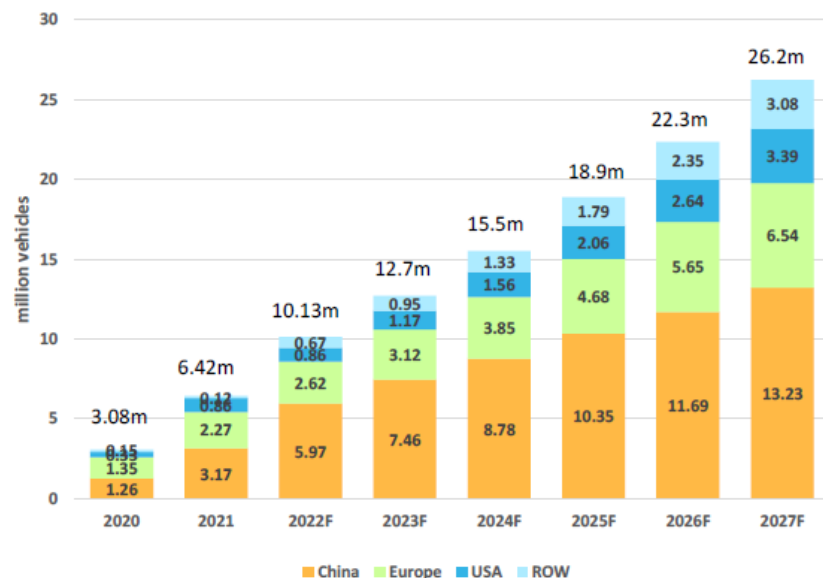


# CRITICAL MINERALS MACRO

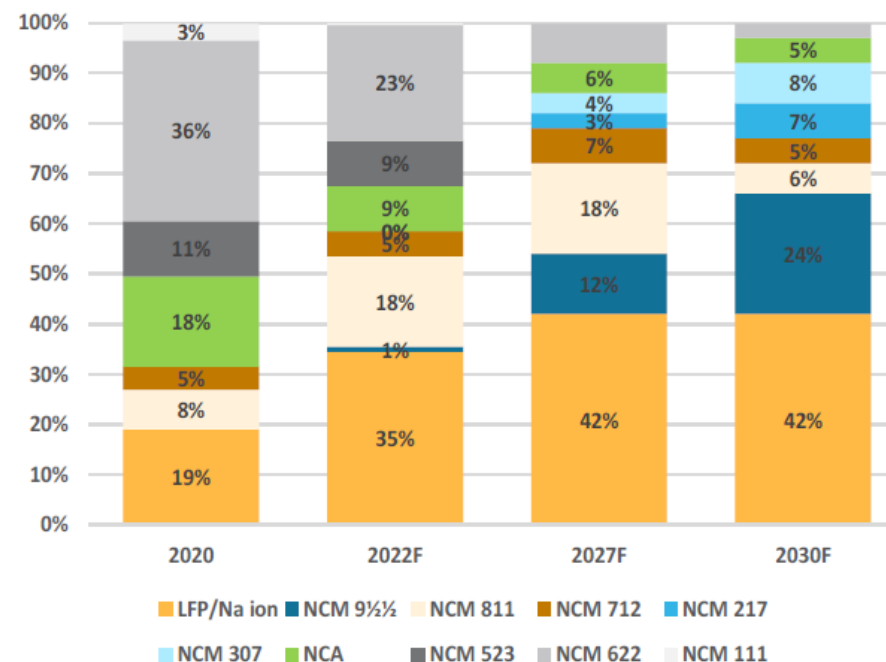
Global EV Sales forecasted to continue to grow with China and elsewhere driving metal demand

Global EV sales to continue strong growth out to 2027 with China remaining more than half the market

Battery type in EV's – LFP revised up again lots of Growth for Ni – rich batteries (lower by not zero cobalt)



Source: Rho Motion, IDC, Macquarie Strategy, December 2022



Source: Rho Motion, Macquarie Strategy, December 2022

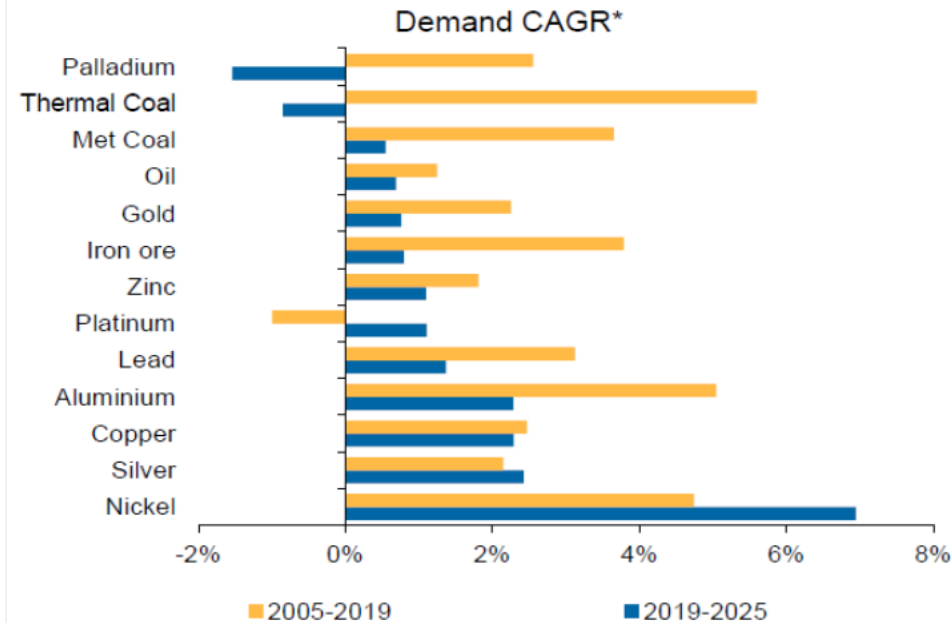
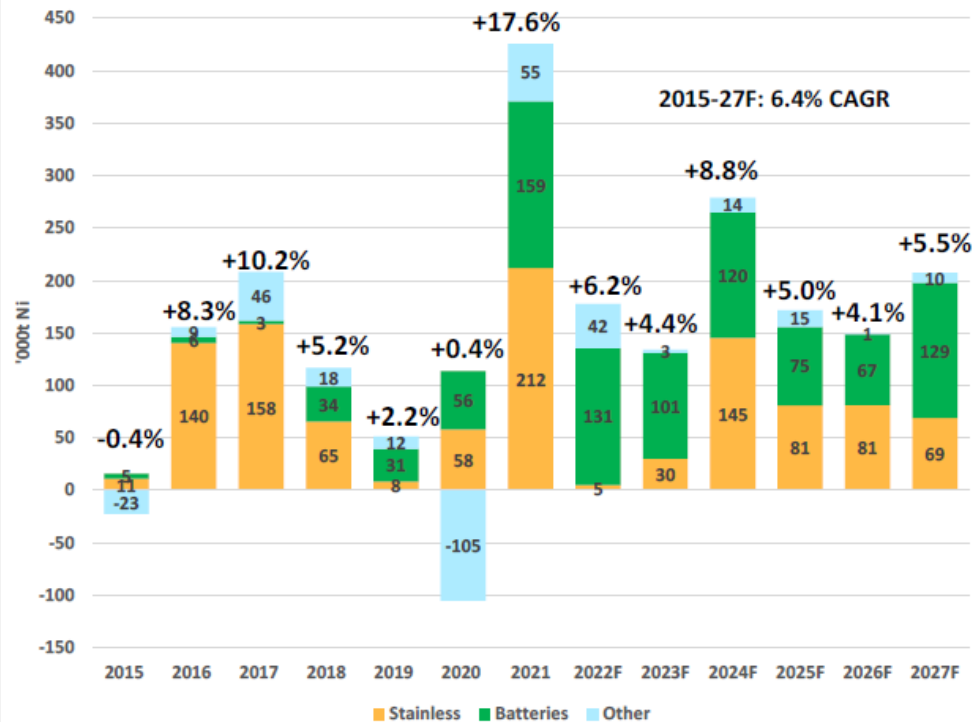


# CRITICAL MINERALS MACRO

Nickel usage and pricing forecasted to continue to grow due to EV battery demand

Nickel Usage Demand Change, showing 2021 as an exceptional year for change in Demand Usage

Energy transition lifting nickel demand in a major way to 2025



Source: Metal Study Groups, IEA, WoodMac, CRU, Company Reports, China NBS, Bloomberg, Macquarie Strategy, Dec'22 \*Gold and Silver exclude ETF demand



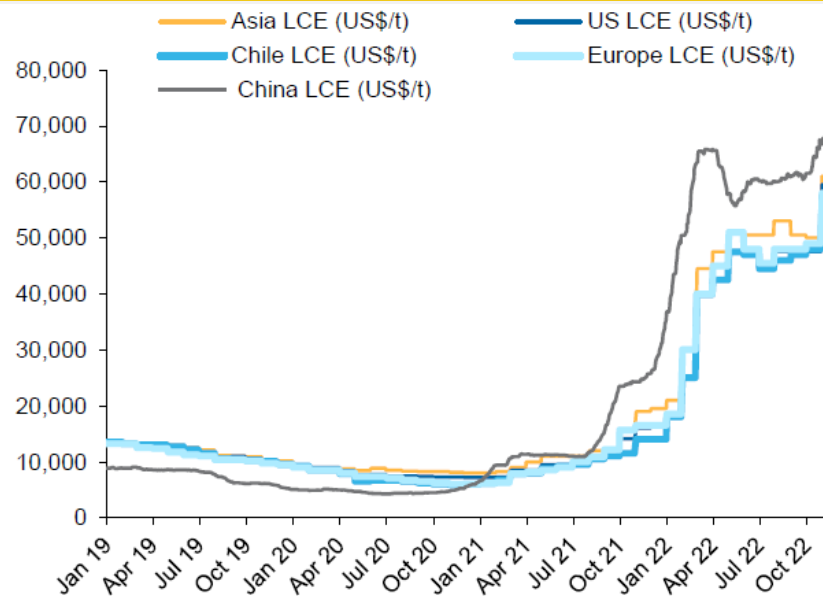


# CRITICAL MINERALS MACRO

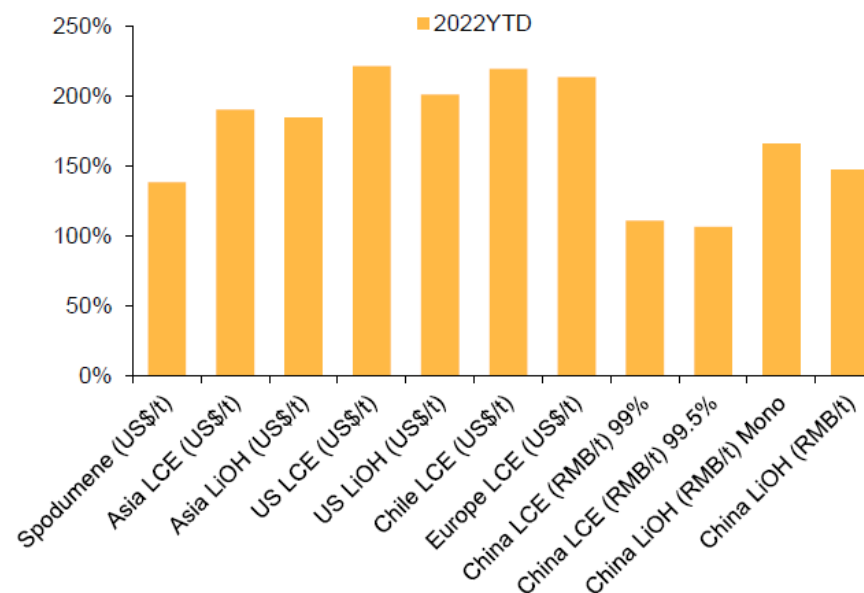
Lithium pricing remained elevated in China and elsewhere in 2022

Chinese spot LCE prices have remained elevated and outperformed regional prices

Material price increases in 2022 for regional lithium prices



Source: Bloomberg, Macquarie Research, Dec'22

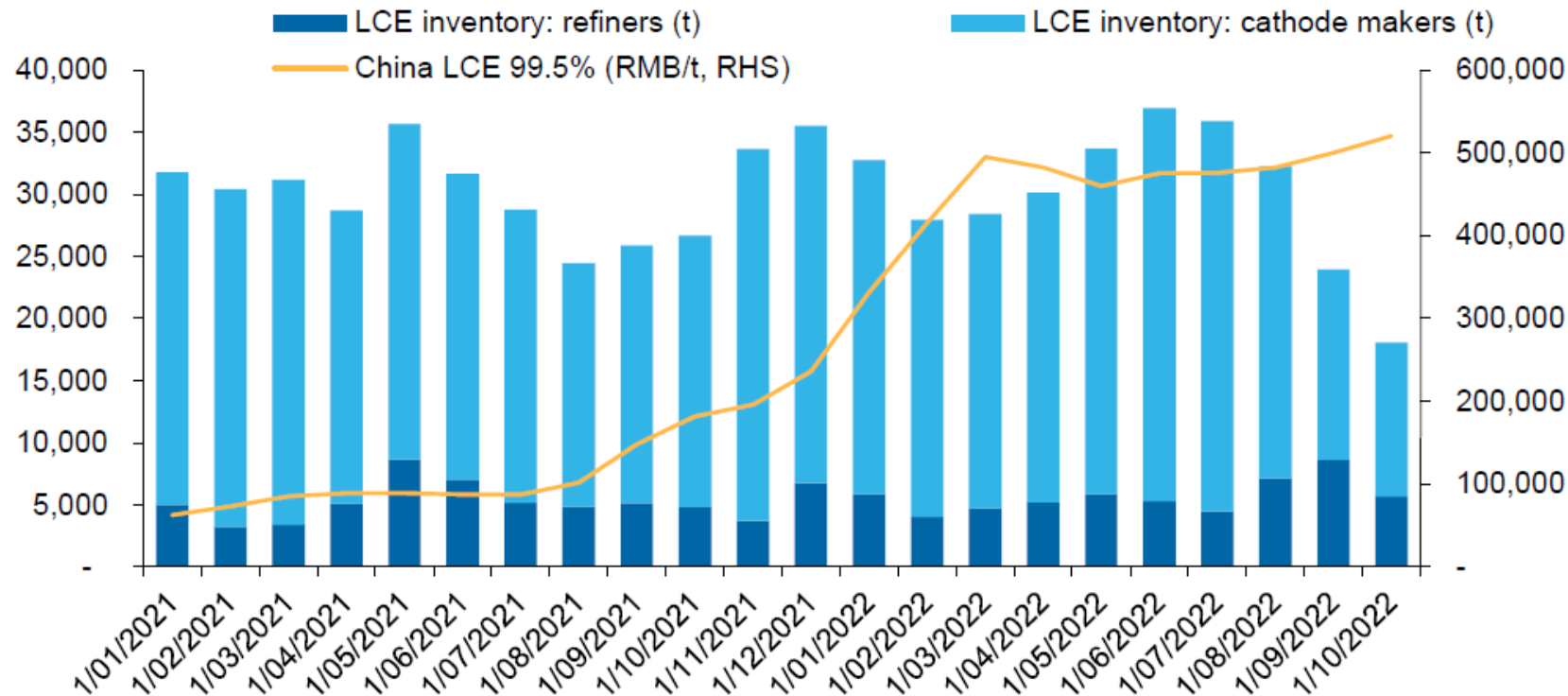


Source: Bloomberg, Macquarie Research, Dec'22



# CRITICAL MINERALS MACRO

Lithium inventories in China continue to decline as Lithium - ion battery demand to triple in 2020-25



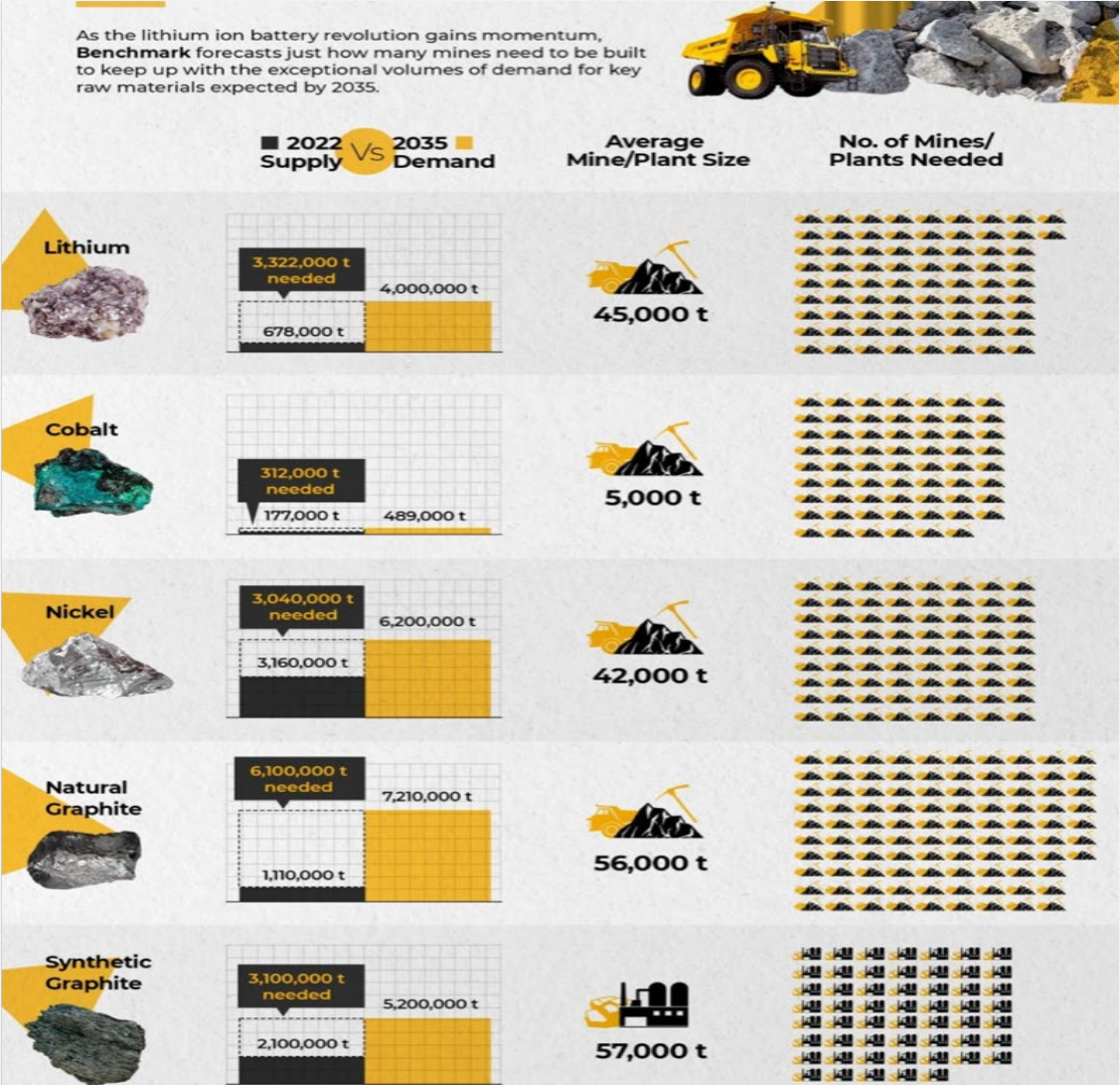
Source: Company data, SMM, Bloomberg, Macquarie Research, Dec'22





# CRITICAL MINERALS MACRO

Demand for critical minerals requires a huge discovery rate in all the key critical metals

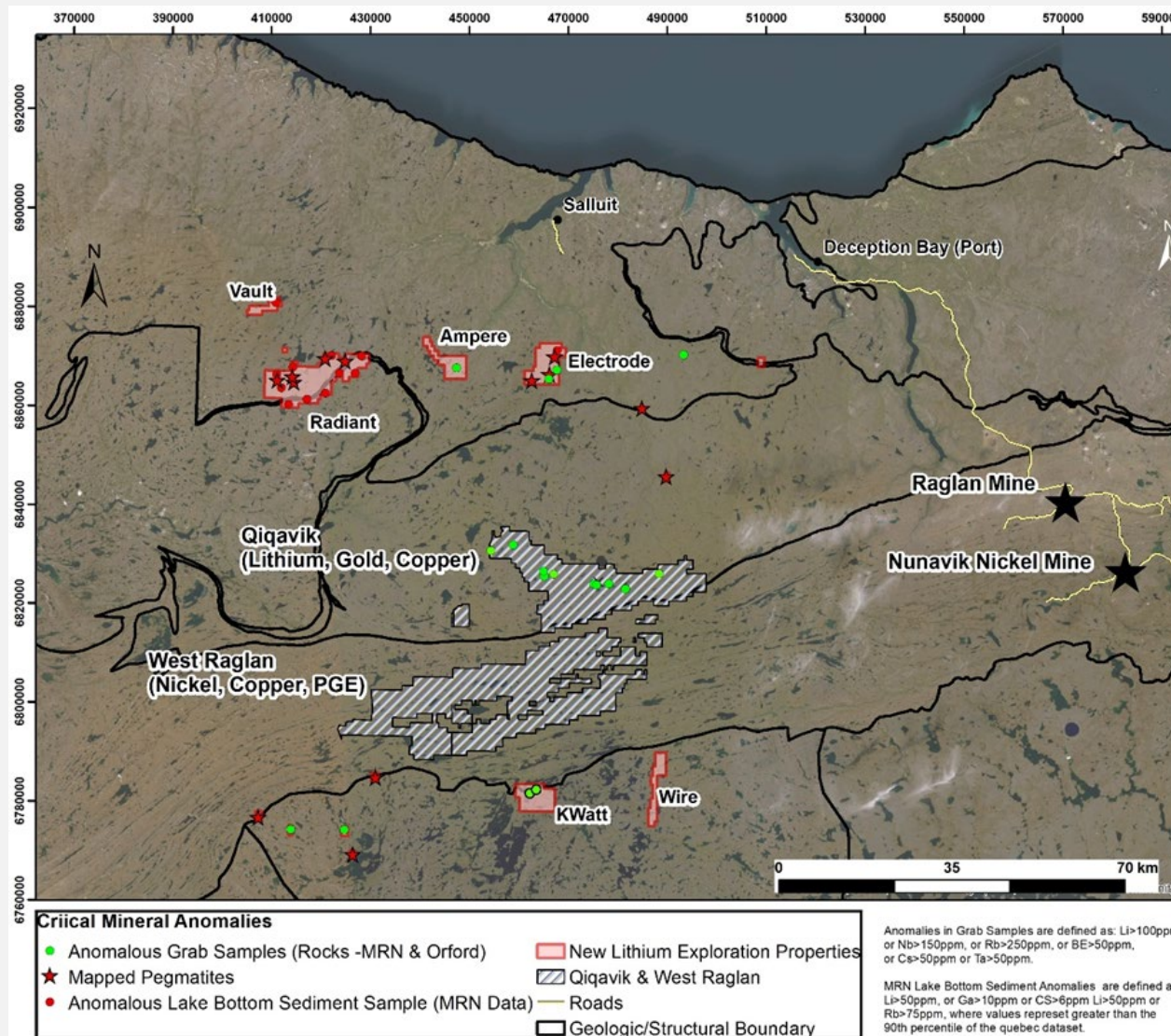


Source: Benchmark



# LITHIUM POTENTIAL IN THE NUNAVIK, QUEBEC REGION

Well situated in an existing critical minerals hub in Canada with no prior lithium exploration



- 334 sq km staked ~ 6 x the size of the island of Manhattan and total regional property position now at 1,449 sq kms ~ 25 x the size of the island of Manhattan
- New ground staked based on one or all of the following criteria (MRN data):
  - Mapped pegmatite
  - Lake bottom seds with anomalies in 90<sup>th</sup> percentile or higher for Quebec for elements of interest such as Li, Cs, Rb, Nb and Be.
  - Anomalous grab samples
  - Geologic boundaries where spodumene-bearing pegmatitic rocks may be emplaced

Note that grab samples are selective by nature and values reported may not be representative of mineralized zones. *The MRN Data contained in this release were obtained from Quebec Ministry of Energy and Natural Resources ("MRN") and has not been independently verified by a Qualified Person as defined by NI 43-101*



# WEST RAGLAN PROJECT – HIGH GRADE NI/CU/CO/PGM WYLOO METALS EARN-IN TO LARGE RICH LAND PACKAGE

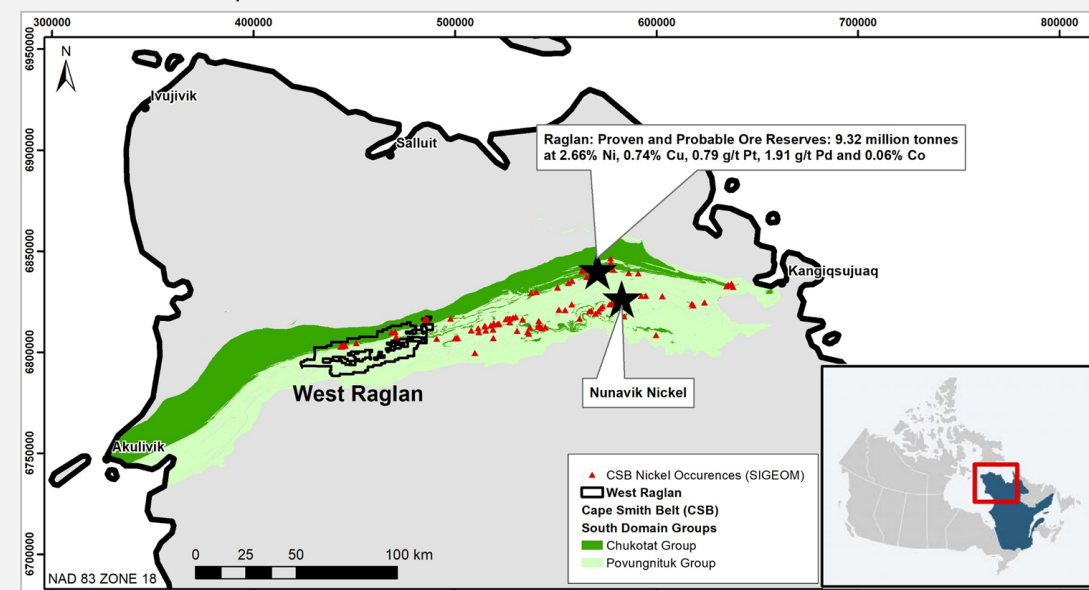
Massive 713 km<sup>2</sup> property in a prolific, yet underexplored region in Quebec

- 100%-owned, advanced stage Ni-Cu-PGE exploration project covering nearly 707 km<sup>2</sup> in the Cape Smith Belt, Nunavik, Quebec
- Cape Smith Belt is host to prolific high-grade polymetallic nickel deposits and includes two operating mines: Raglan and Nunavik Nickel
- Located ~80 km from Glencore's Raglan Mine
  - Raglan is a first quartile cash cost nickel operation
  - One of the highest ore grades among significant global nickel deposits (Raglan's Proven and Probable Reserves as of Dec. 31, 2021, stood at 9.32 Mt at 2.66% Ni, 0.74% Cu, 0.79 g/t Pt, 1.91 g/t Pd and 0.06% Co<sup>1</sup>)
- Orford executed an earn-in agreement with Wyloo Metals in January 2021 on West Raglan.
  - Wyloo can earn up to 80% in the West Raglan Project by spending \$25 million and completing a feasibility study and making a cash payment to Orford.

**Note** The information disclosed herein in respect of the West Raglan Property is based on the independent report of Clement Dombrowski, P.Geo of IOS Services Geoscientifiques Inc. titled "NI 43-101 Technical Report on West Raglan Project, Northern Quebec, Canada" effective February 20, 2017

1. Source: Glencore Resources & Reserves Dec 31, 2021

Location in the Cape Smith Belt



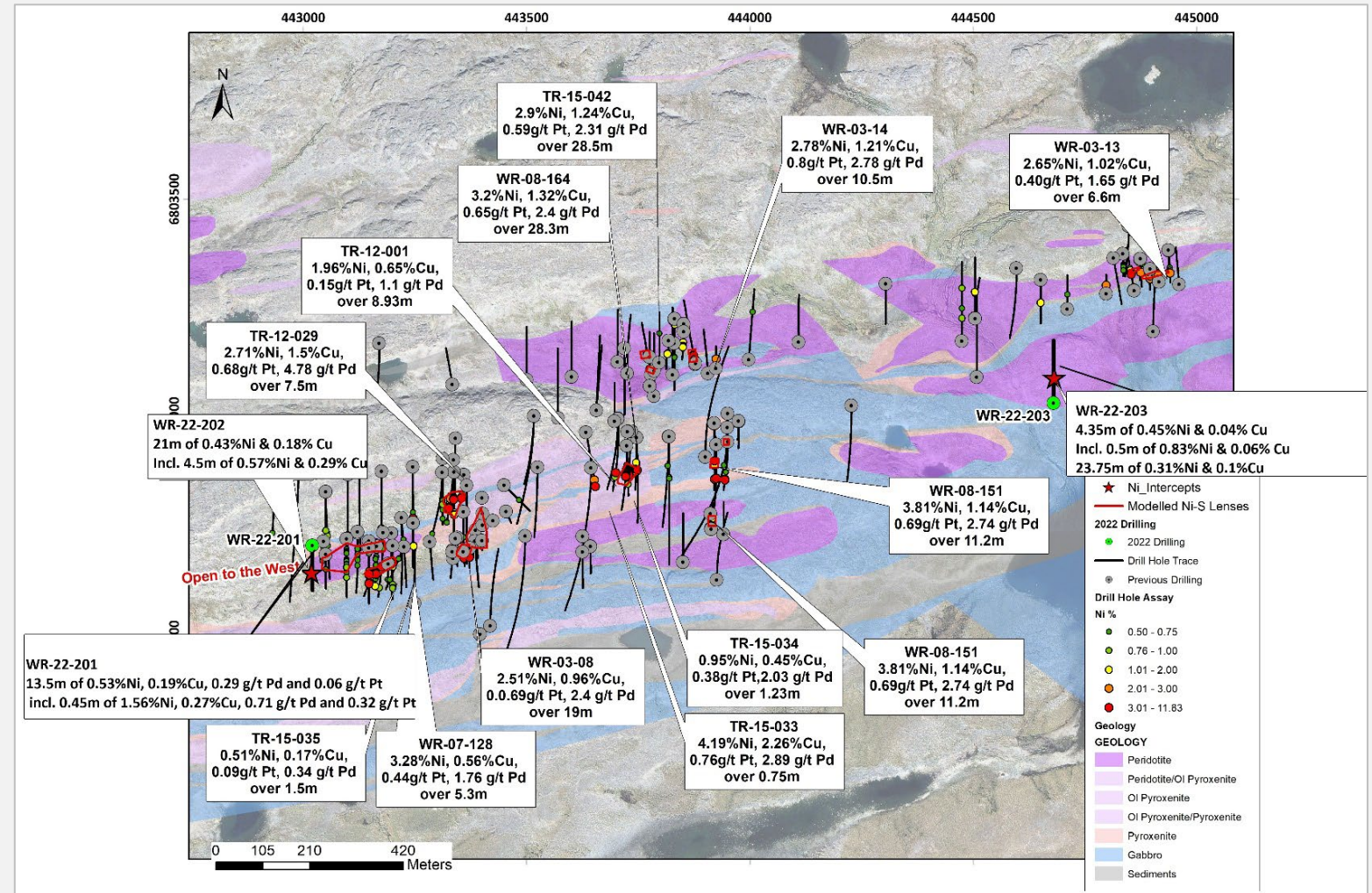
Ground views of West Raglan property



# WEST RAGLAN PROJECT

Frontier Zone - three holes drilled in 2022 program with Ni sulphide in all three

- Historically, the Frontier Area of West Raglan hosts the majority of the West Raglan Drilling
- Several Raglan Styles Nickel-Sulphide pods have been discovered.
- Raglan-type grades and intercepts are shown on this map.
- In 2022 Drilled three extensional type targets on west and east sides with strong SQUID EM targets and hit nickel sulphides in all three.

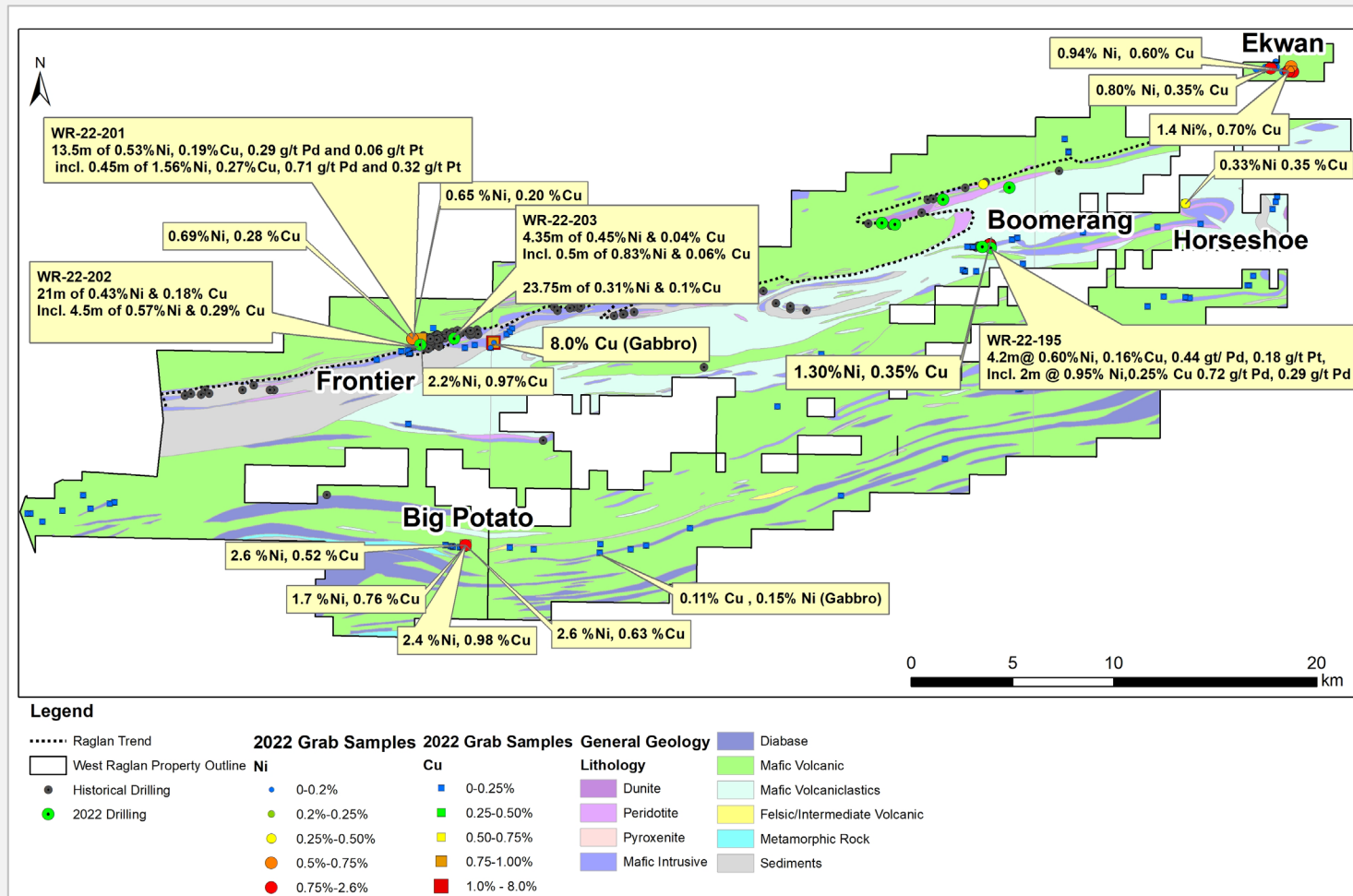


**Note** that All drilling intervals are down-hole lengths. True thicknesses cannot be estimated with available information



# WEST RAGLAN – WYLOO EARN-IN

2022 Diamond Drilling program – 2,589 metres in 9 holes testing Squid EM targets



**Note** that grab samples are selective by nature and values reported may not be representative of mineralized zones. Note that All drilling intervals are down-hole lengths. True thicknesses cannot be estimated with available information

# ORFORD MINING

## Local Community Involvement

Fostering strong relationships with government, local communities and First Nations Groups



Open dialog with local communities in Nunavik & Abitibi

Representatives of Salluit, Akulivik and Kativik Regional Gov. (KRG) have visited Camp Chukotat and the West Raglan & Qiqavik Properties

Previous to 2021 (on hold due to COVID restrictions): Working with Salluit & Akulivik Landholding Corporations to hire local workforce during summer exploration programs in Nunavik. Inuit hiring and training in each exploration program.

2021, 12.5% of exploration expenditures were with Nunavik Inuit Enterprises

Identifying and notifying communities and Avataq of archeological sites

Provided in-kind support to KRG for abandoned mineral exploration site rehabilitation in Nunavik

Work with the Coopérative de Solidarité de Pikogan on contracts for the Joutel Area Work

6% of 2021 exploration expenditures for the McClure East and Joutel South properties in the Joutel Area were with the Coopérative de Solidarité de Pikogan





# ORFORD MINING

## Reasons to Invest

Orford Mining has potentially discovered a new gold district, Qiqavik, next door to its more advanced nickel project, West Raglan, in the highly prospective and underexplored Cape Smith Belt in Northern Quebec. We have recently added a large land base covering Lithium targets across the Nunavik Region. Orford is also actively exploring the Joutel region in the heart of the Abitibi for gold.

Strong strategic investor support

Massive land position in two underexplored gold districts with great prospectivity

Large new land tenure covering very strong Lithium targets in Nunavik

Strong Financial and Technical Partner on West Raglan Nickel Project

Safe, proven mining jurisdiction

**2022 Exploration program** was biggest in history of company, active drilling on three properties with about **\$9.0 million** spent including earn in expenditures by Wyloo on the West Raglan Ni-Cu-PGM Property



# UPCOMING EVENTS AND NEWS CATALYSTS

## Events

<b>January 28-29, 2023:</b>	VRIC, Vancouver BC
<b>March 5-8, 2023 :</b>	PDAC, Toronto Canada
<b>June 19-21, 2023:</b>	The Mining Event of the North, Quebec City, Quebec

## News Catalysts

<b>January 23, 2023:</b>	Joutel Eagle Drilling started
<b>Early March 2023:</b>	Qiqavik, Lithium and West Raglan 2023 Program and Budget release
<b>April 2023</b>	Joutel Eagle Winer 2023 Drilling results







Orford Mining

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## THANK YOU



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