

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



# GOLD AND CRITICAL MINERAL EXPLORATION IN QUEBEC

**Precious Metals Summit, Beaver Creek Colorado**

September 13, 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.

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## 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.Geol, 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.Geol, 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 Techni-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.Geol and Sylvain Desbiens P.Geol. 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.Geol. 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. 1,964 sq kms  
of prospective land in Quebec  
Canada

**Qiqavik**

Gold/Copper/Li

- 439 sq kms
- 100% owned
- Drilled 34 RAB Holes in 2023
- Discovered two outcropping gold vein systems and drilled them.
- Discovered new Copper mineralization south of Esperance and channel sampled it.
- Assays pending.

+

**West Raglan**

Ni/Cu/PGM

- 707 sq kms
- 51% Wyloo/49% Orford
- Wyloo Metals Earning in
- Flew airborne VTEM survey over southern portion of property and ground magnetics over select areas.

+

**Nunavik Lithium**

Li

- 557 sq kms
- 100% owned
- 70 kms to all season Deep Sea port
- Took 660 samples and found pegmatites across this virgin exploration land.
- Assays pending.

+

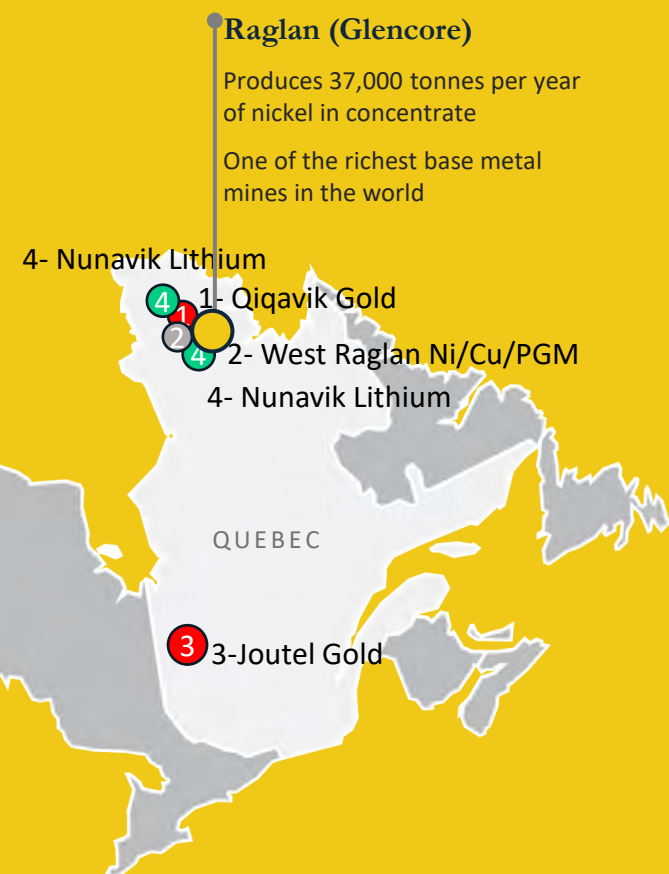
**Joutel Regional**

Gold/Copper

- 260 sq kms
- 100% owned or option to own 100%
- At Joutel Eagle, 707 metres drilled in 2022 and 2,535 metres in 2023
- Delineated the South Gold Zone on Joutel Eagle and discovered a thicker gold zone than previously known and higher gold grades.
- New North Gold zone discovered

# PROJECT PORTFOLIO – LARGE REGIONAL PROPERTIES

2023 was a big Year of Exploration across all our properties



**1,704 km<sup>2</sup> land position in the highly prospective and underexplored Cape Smith Belt and region and 260 km<sup>2</sup> in the heart of the Quebec Abitibi for a total of 1,963 sq kms in Quebec**

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.
- A 34 RAB drill hole campaign along with IP geophysics, mapping and prospecting in 2023.
- In 2023 discovered a couple new gold vein systems at surface and drilled them, assays pending.
- In 2023 the Qiqavik property increased in size to 439 square kilometres from 402 square kilometres

### 2. West Raglan Project (Ni, Cu, PGE's) (49% Interest)

- Wyloo Metals Pty Ltd.(at 51%) entered an earn in agreement with Orford in 2021 to earn up to an 80% interest by spending \$25 million amongst other items.
- Property covers 707 square kilometres.
- 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)

### 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.
- South Gold Zone drilling confirms continuity along with new North Gold Zone.
- The properties in total cover 260 square kilometres.
- Resource drilling in 2024 on Joutel Eagle.

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

- 455 square kilometres of land acquired in February 2023 increased to 557 sq kms since then as other prospective ground was added.

### Royalties

Owns a 3.5% NSR on the Falan property (Malabar Gold) 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)

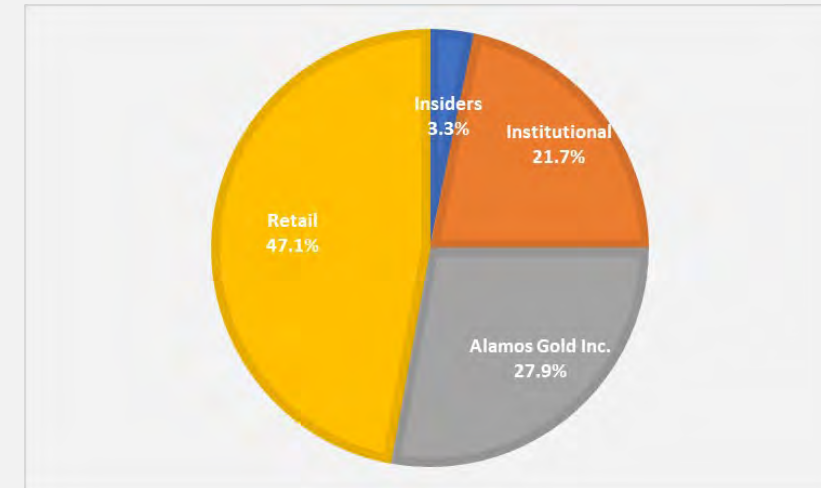
# CORPORATE SNAPSHOT

## Capital Structure and Share Performance

### Capital Structure

Ticker	TSXV:ORM
Share Price (as of September 12, 2023)	C\$0.105
Basic Shares Outstanding <sup>1</sup>	200.89M
Options (@ average \$0.18 strike)	12.78M
Warrants (@ average \$ 0.24 strike)	33.21M
Fully Diluted Shares Outstanding	246.88M
Market Capitalization (Basic)	C\$21.09M
Cash (June 30, 2023)	C\$1.84M

### Share Ownership



### TSX-V (September 12, 2023)





# NUNAVIK AREA MINERAL PROPERTIES

Nunavik Lithium, Qiqavik Gold and West Raglan



## NUNAVIK REGION EXPLORATION

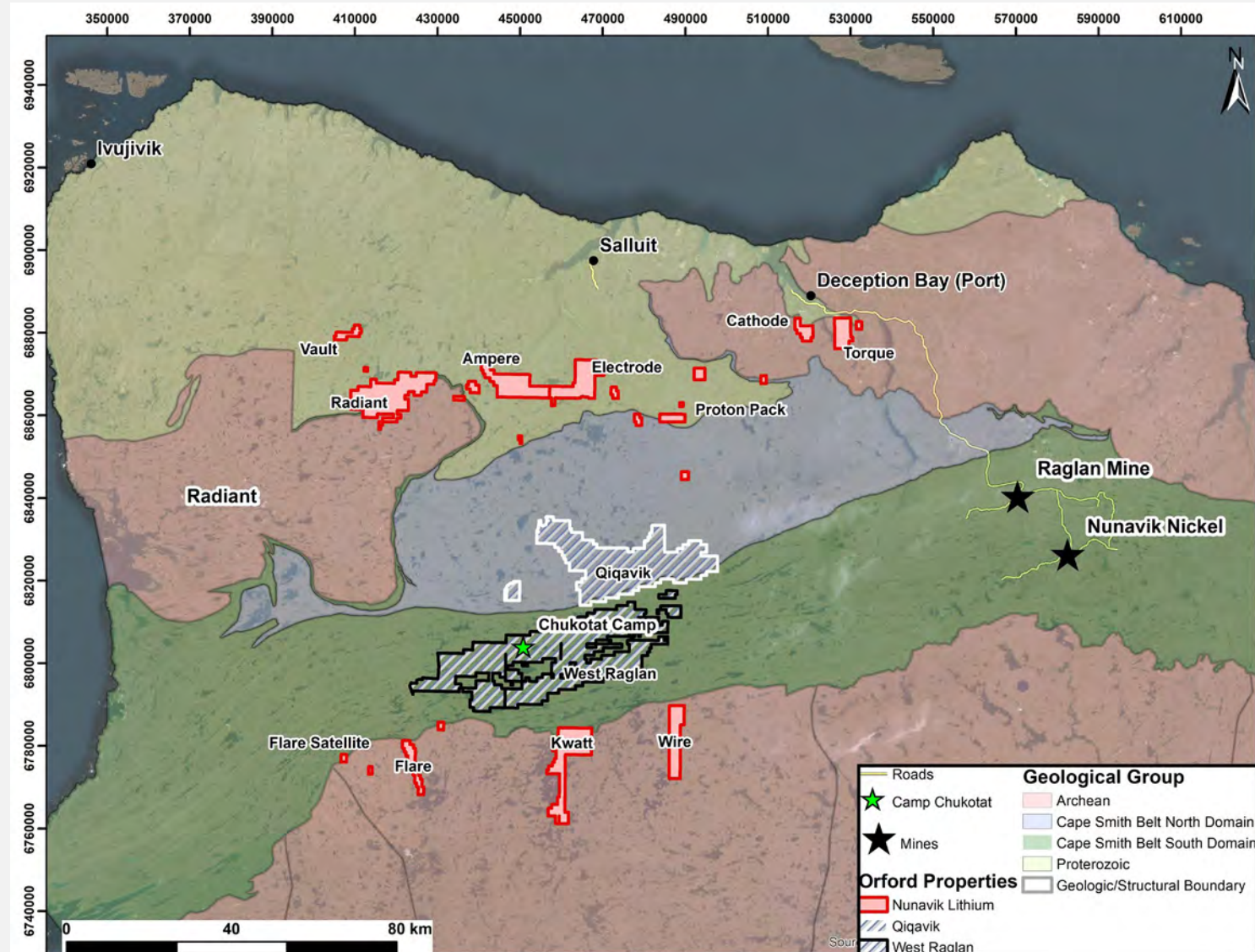
Multi Commodity – Multi  
Disciplined Exploration

Orford has 1,704 square kilometres of mining claims to explore in the Nunavik Region. The largest land position in the Cape Smith Belt Area.

Exploring for Lithium, Nickel-Copper-PGE and Gold in a vastly underexplored but proven mineral belt with two long life nickel-copper-PGE mines just to the east of Orford's property positions.

Established Chukotat Camp, airstrip, and fuel stockpile has given us a strong advantage in the region

The Deception Bay deep sea port adds a logistical advantage to the area.



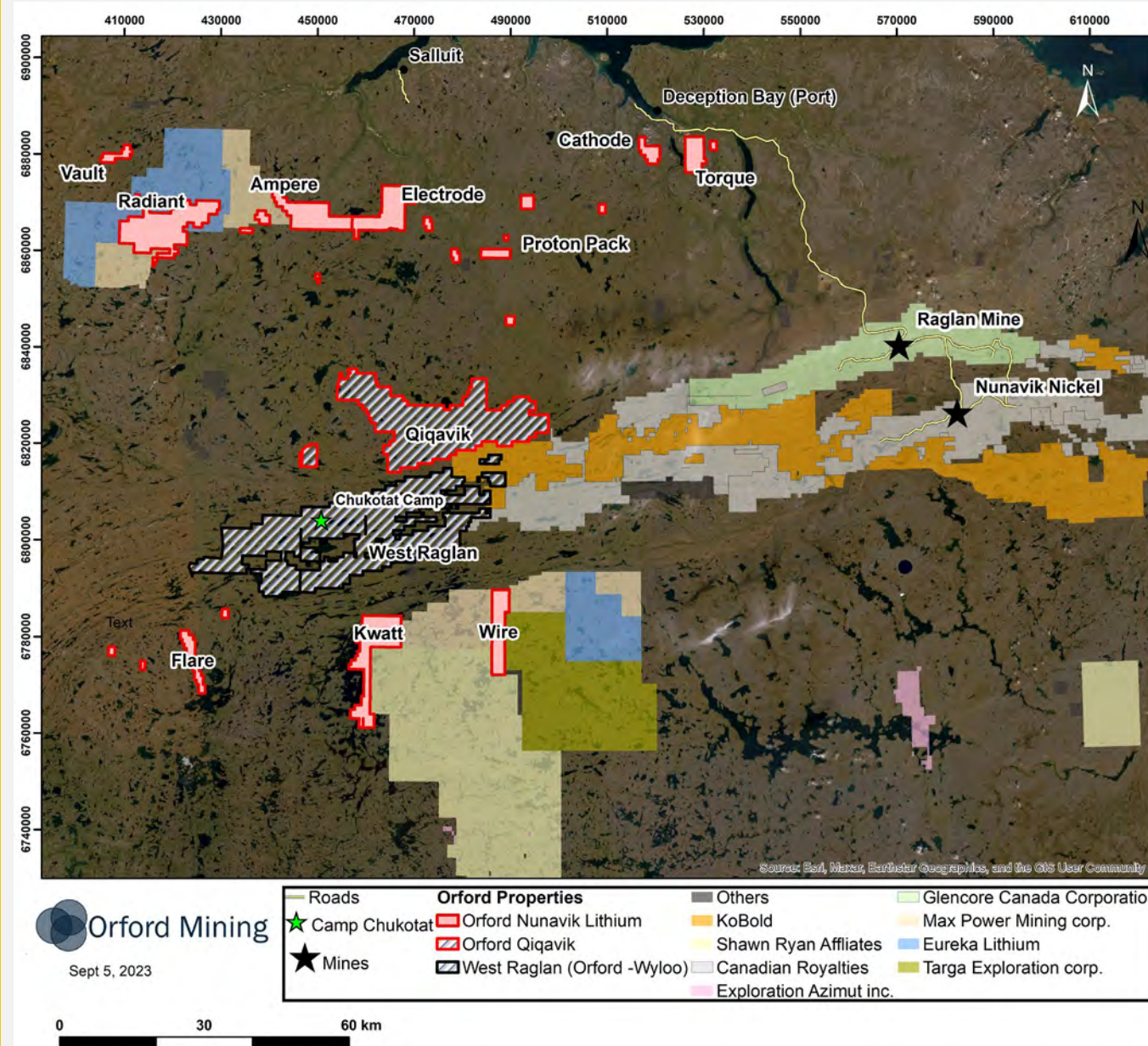
## NUNAVIK NEIGHBOURS

### Orford has largest Cape Smith Area Mining Claim Holdings

Orford had first mover advantage when staking its Lithium ground. Since we staked our picks for Lithium potential in the region other groups have come in and blanket staked what was left.

Orford has staked what it believes is a new gold district at Qiqavik and again has had first mover advantage.

Kobald, a group backed by Bill Gates, Jeff Bazos and Richard Branson came into the area a few years ago and staked the ground that was left between ground controlled by Glencore, Orford and Canadian Royalties. Kobald is exploring for Nickel Sulphide deposits such as those found at the Raglan and Nunavik Nickel mines







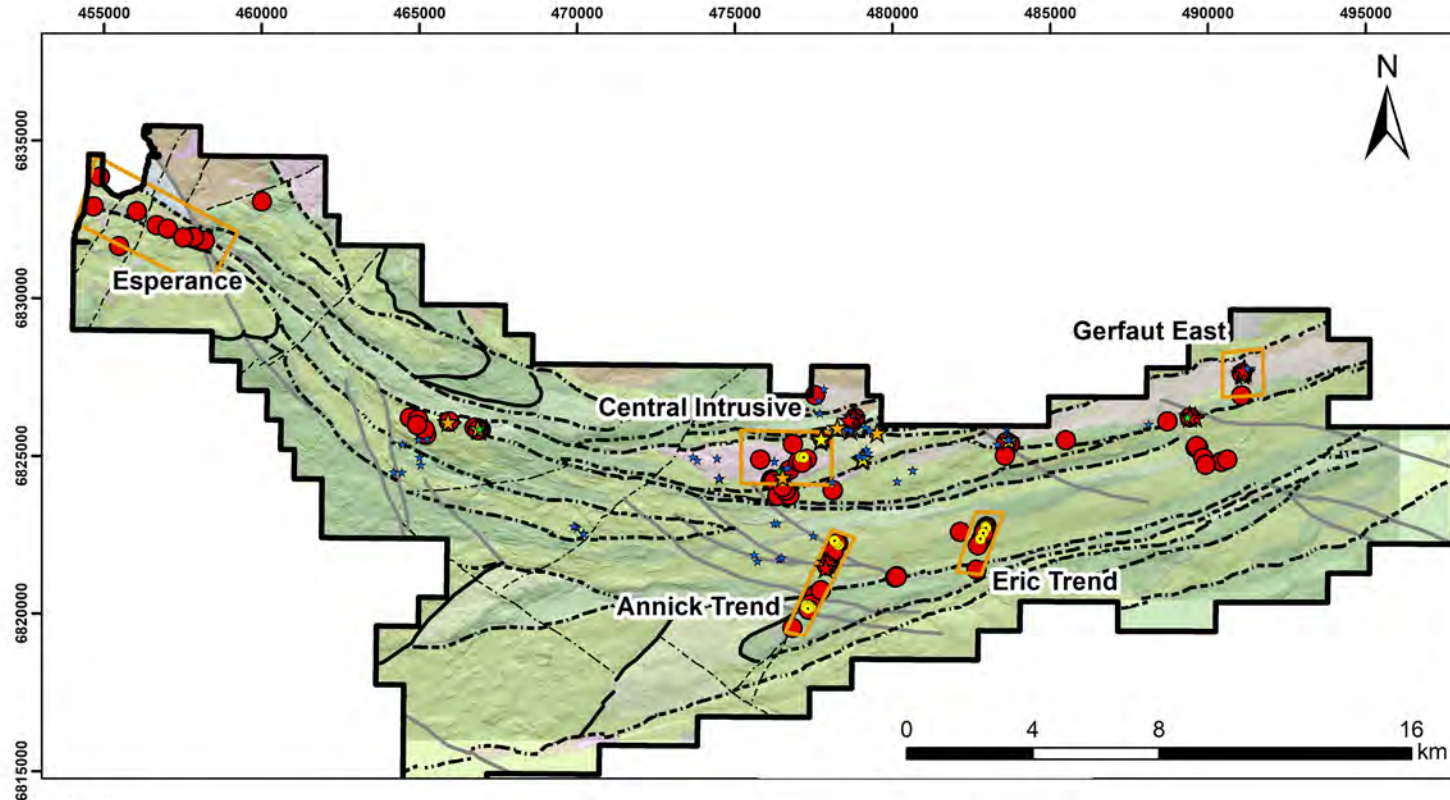
# QIQAVIK GOLD PROJECT

Nunavik Region



# QIQAVIK GOLD/COPPER PROPERTY

## 2023 Areas of Exploration Focus



### Legend

#### 2023 Drilling Locations

● 2023 Drilling Locations

#### 2023 Grab Sample Results

Au (g/t)

- ★ 0.00 - 0.10
- ★ 0.11 - 0.50
- ★ 0.51 - 1.00
- ★ 1.01 - 5.00
- ★ 5.01 - 168.00

#### Grab Samples (Pre 2023) Qiqavik General Geology

Au g/t >5  
● 5.01 - 650.00

#### Target Areas 2023

Target Areas 2023  
Property Outline

#### Rock Type

- Felsic Intrusive
- Intermediate/Mafic Intrusive
- Mafic Intrusive
- Ultramafic Intrusive
- Iron Formation

#### Sediments

- Felsic/Intermediate Volcanic
- Mafic Volcaniclastics
- Mafic Volcanic
- Mafic Volcanic HighMagVar
- Mafic Volcanic LowMagVar

#### Structures

- Fault D1
- Fault D2
- Fault D3
- Fault D4

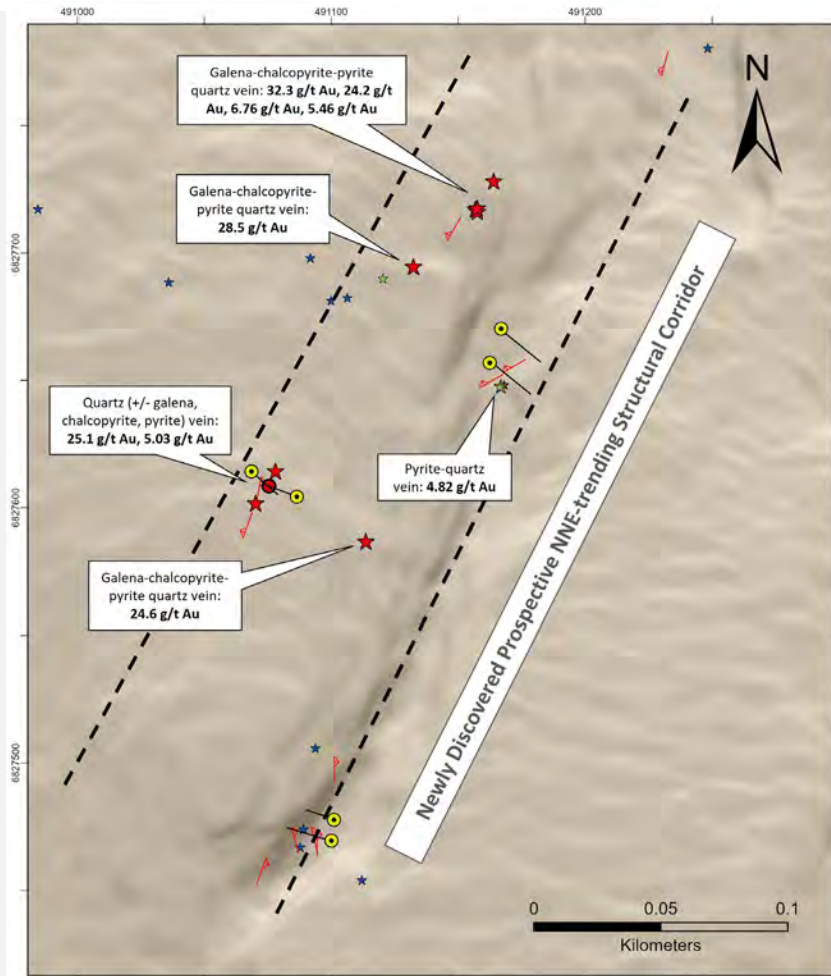
- 2023 work focused on drilling, geophysics, and prospecting on the Gerfaut East, Central, Annick and Eric project areas of the belt.
- In total 34 Rotary Air Blast (RAB) holes were drilled for a total of 2,435 meters and 32 line-km of ground IP (Induced polarization) surveys were completed.
- Orford is waiting for results from 88% of the 2,620 samples taken from drilling and the 233 surface samples collected.

Note that grab samples are selective by nature and values reported may not be representative of mineralized zones.



# QIQAVIK GOLD/COPPER PROPERTY

## New Gerfaut East Gold Discovery in Outcrop



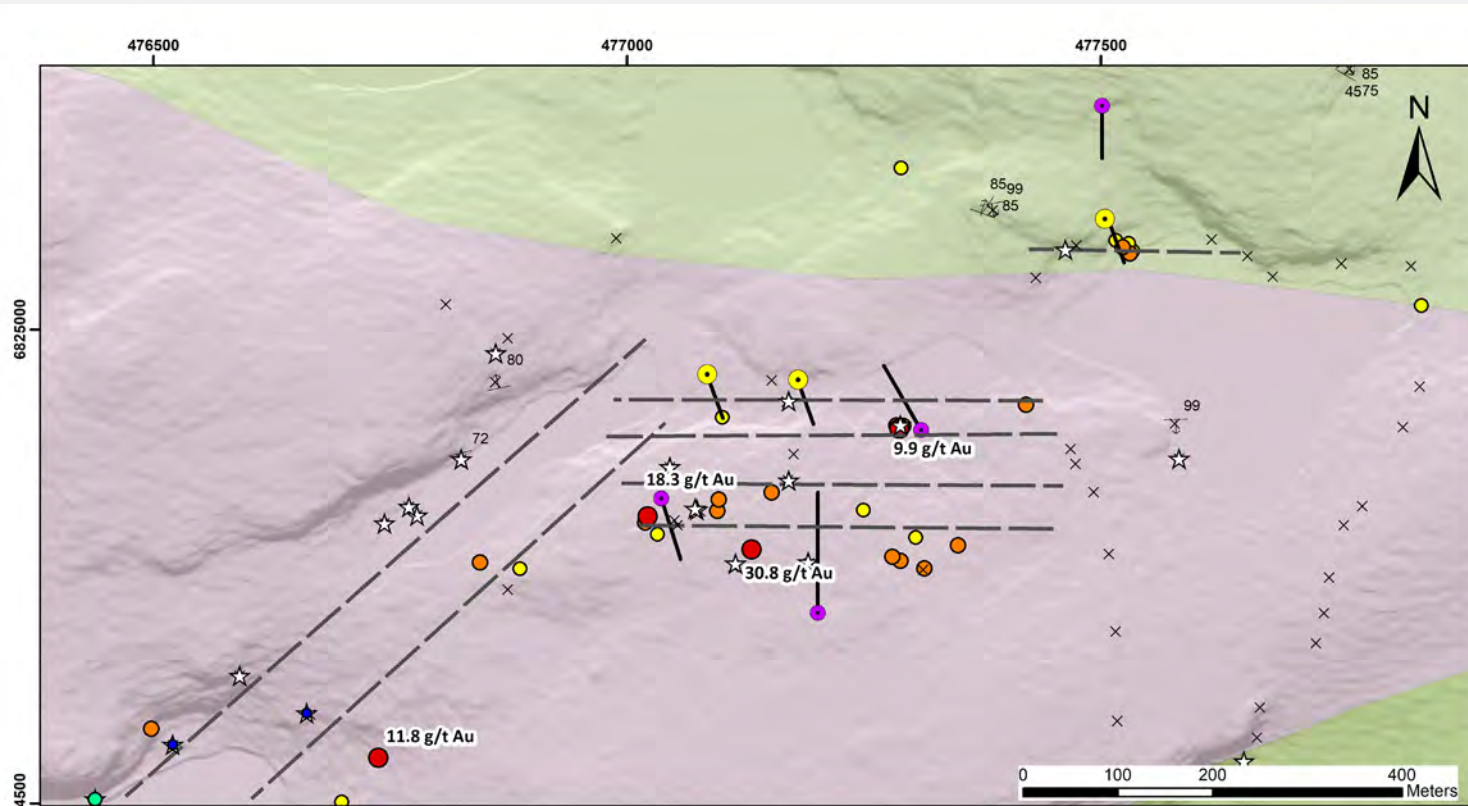
Legend			
<b>2023 Drilling</b>	<b>2023 Grab Sample Results</b>	<b>Grab Samples (Pre 2023)</b>	<b>Qiqavik General Geology</b>
— Drill Hole Trace	Au (g/t)	Au > 0.5 g/t	Intermediate/Mafic Intrusive
● Drill Hole Collar	★ 0.00 - 0.10	● 5.01 - 650	<b>Structure</b>
	★ 0.11 - 0.50		Quartz vein
	★ 0.51 - 1.00		
	★ 1.01 - 5.00		
	★ 5.01 - 168.00		

- Newly discovered Gerfaut East Vein system in a North-North-East structure that is traced over a 400 metre strike
- Comprised of a series of sulfide bearing quartz veins outcropping up to 15 metres in length and containing galena, chalcopryrite, and pyrite.
- Surface samples of these veins have yielded up to 32.3g/t gold
- Six RAB drill holes were completed in the Gerfaut East Area and these holes intercepted quartz veins within the top 50 metres of drilling.
- All assays from the RAB drilling are pending.

Note that grab samples are selective by nature and values reported may not be representative of mineralized zones.

# QIQAVIK GOLD/COPPER PROPERTY

Central Intrusive – New Gold Showing Discovered



## Legend

### 2023 Grab Sample Results

- Au (g/t)
- 0.0 - 0.1
- 0.2 - 0.5
- ☆ 2023 Grab Samples-Assay Results Pending
- × 2023 Field Stations
- ↳ QK\_Structures\_2023
- Structural Corridor

### Drill Hole Collars

- Year
- 2017
- 2023 Drilling Locations
- Drill Hole Trace

### Grab Samples (Pre 2023) Qiqavik General Geology

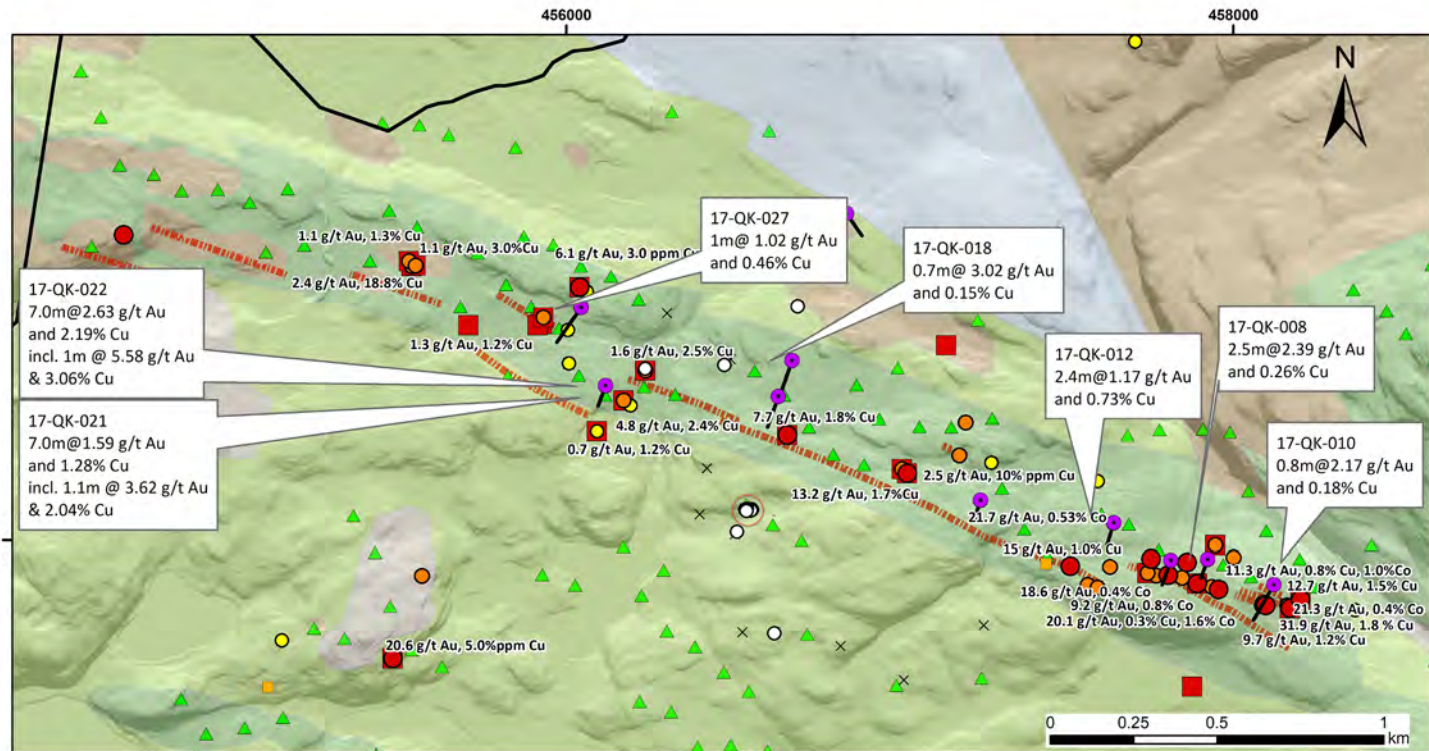
- Au g/t >0.5
- 0.6 - 1.0
- 1.1 - 5.0
- 5.1 - 650.0
- Rock Type
- Felsic Intrusive
- Mafic Volcanic
- Mafic Volcanic Low Mag
- Property Outline

- New discovery defined by a series of subparallel E-W shears with ankerite alteration and sulfide veins up to 2 cm in width containing galena, pyrite and arsenopyrite in local granodiorite boulders.
- Grab samples of quartz veins collected in nearby areas during previous program reported up to 30.8 g/t Au.
- Three RAB holes were drilled in this area that intersected altered granodiorite containing minor sulfides.
- Grab sample and drilling assay results for the Central Intrusive area are pending.

Note that grab samples are selective by nature and values reported may not be representative of mineralized zones.

# QIQAVIK GOLD/COPPER PROPERTY

Esperance trend and new Copper Showing Discovered 200 metres south of main trend

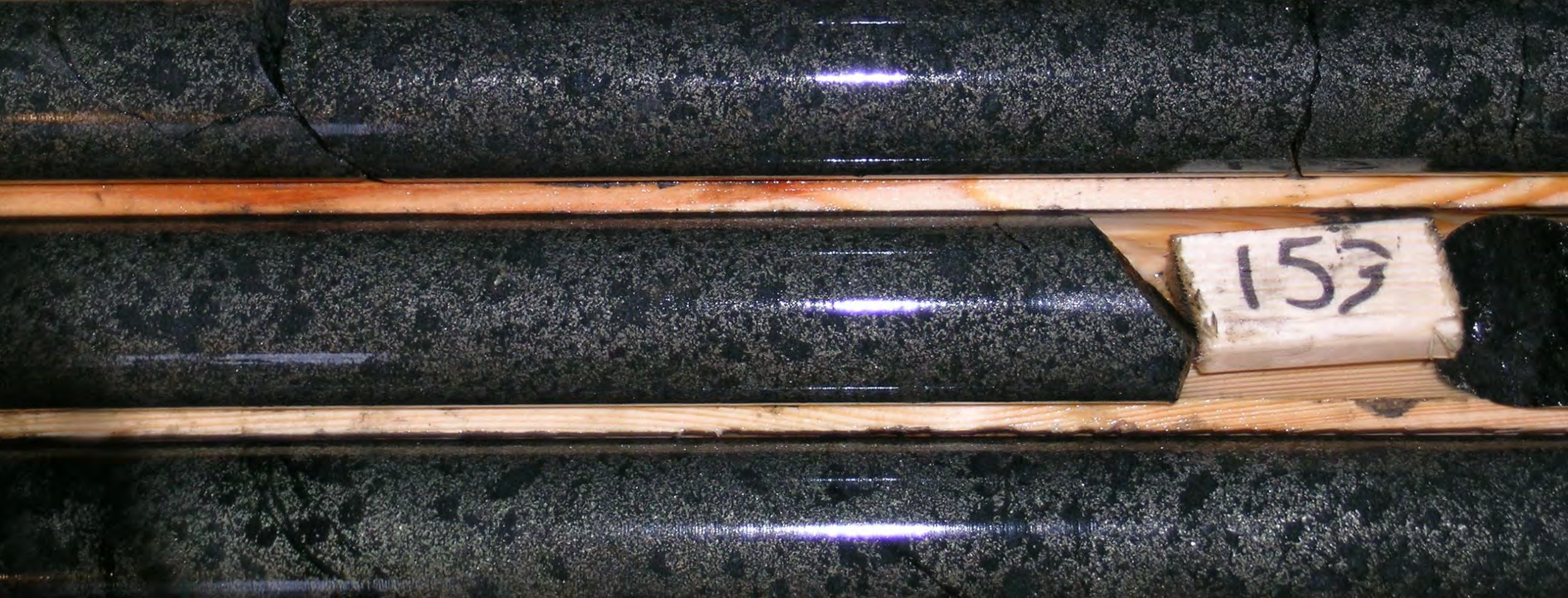


- The Esperance area hosts a trend of copper and gold mineralization over 4 km in length hosted in a basalt shear zone.
- This year, prospecting and mapping identified a new zone of semi-massive sulphide with up to 5% chalcopyrite hosted in a sheared basalt. The new mineralization outcrops discontinuously over 10 m by 25 m and occurs 200 m to the south of the main Esperance trend and may represent a secondary parallel mineralized zone.
- Four channel samples were collected totalling a 5.0 metre width of the exposed mineralization.
- Airborne EM conductors suggest the mineralization may extend to the east for 250m. Channel sample assay results are pending.

## Legend

○ 2023 Grab/Channel Samples-Assay Results Pending	<b>Grab Samples (Pre 2023)</b>	<b>Qiqavik General Geology</b>	▲ Airborne EM Anomaly Picks
× 2023 Field Stations	<b>Au g/t &gt;0.5</b>	<b>Rock Type</b>	□ Property Outline
▬ Au, Cu Mineralized Shear Zone	● 2 - 1	■ Intermediate/Mafic Intrusive	
<b>Drill Hole Collars</b>	● 2 - 5	■ Mafic Intrusive	
<b>Year</b>	● 6 - 650	■ Sediments	
● 2017	<b>Grab Samples</b>	■ Mafic Volcaniclastics	
— Drill Hole Trace	<b>Cu &gt;0.5%</b>	■ Mafic Volcanic	
	■ 0.5% - 1.0%	■ Mafic Volcanic High Mag	
	■ 1.0% - 10.0%		

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



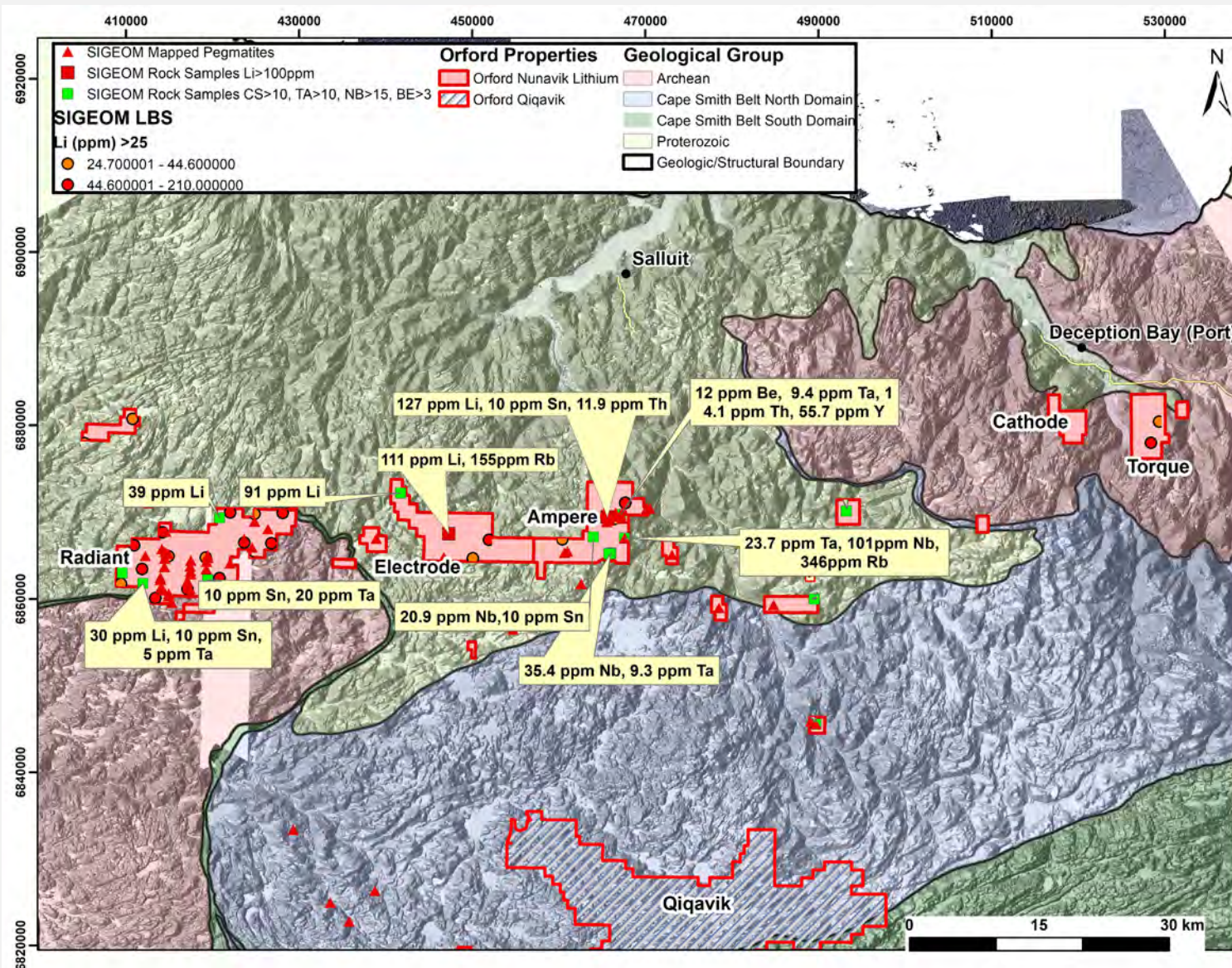
# NUNAVIK REGION CRITICAL MINERALS EXPLORATION

Nunavik Lithium Project and West Raglan Nickel Project



# NUNAVIK LITHIUM PROJECT – FIRST MOVERS

Mining Nunavik Region Critical Metals North Group of Exploration Properties Regional Geology and DEM.



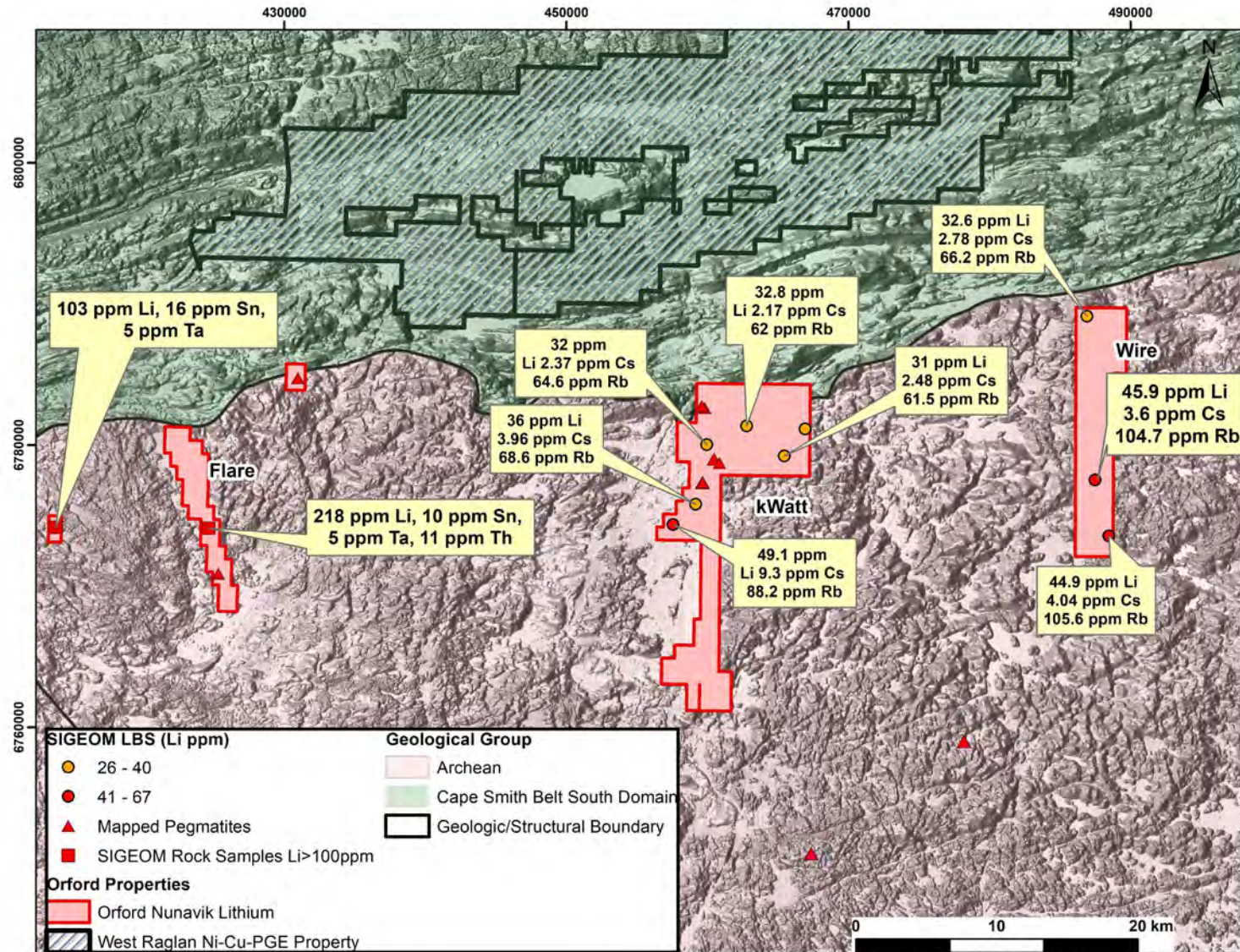
- February 6, 2023 Orford announced that it had staked 455 sq km for lithium. We have increased claim size a number of times with it now at 557 sq kms a 22% increase.
- New ground staked based on one or all of the following criteria (MRN data):
  - Mapped pegmatite
  - Lake bottom sed with anomalies in 90th percentile or higher for Quebec for elements of interest such as Li, Cs, Rb, Nb and Be.
  - Anomalous grab samples for pathfinders and Li.
  - Geologic boundaries where spodumene-bearing pegmatitic rocks may be emplaced
- Used remote sensing satellite imagery to fine tune targeting before summer field season.

*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*



# NUNAVIK LITHIUM PROJECT

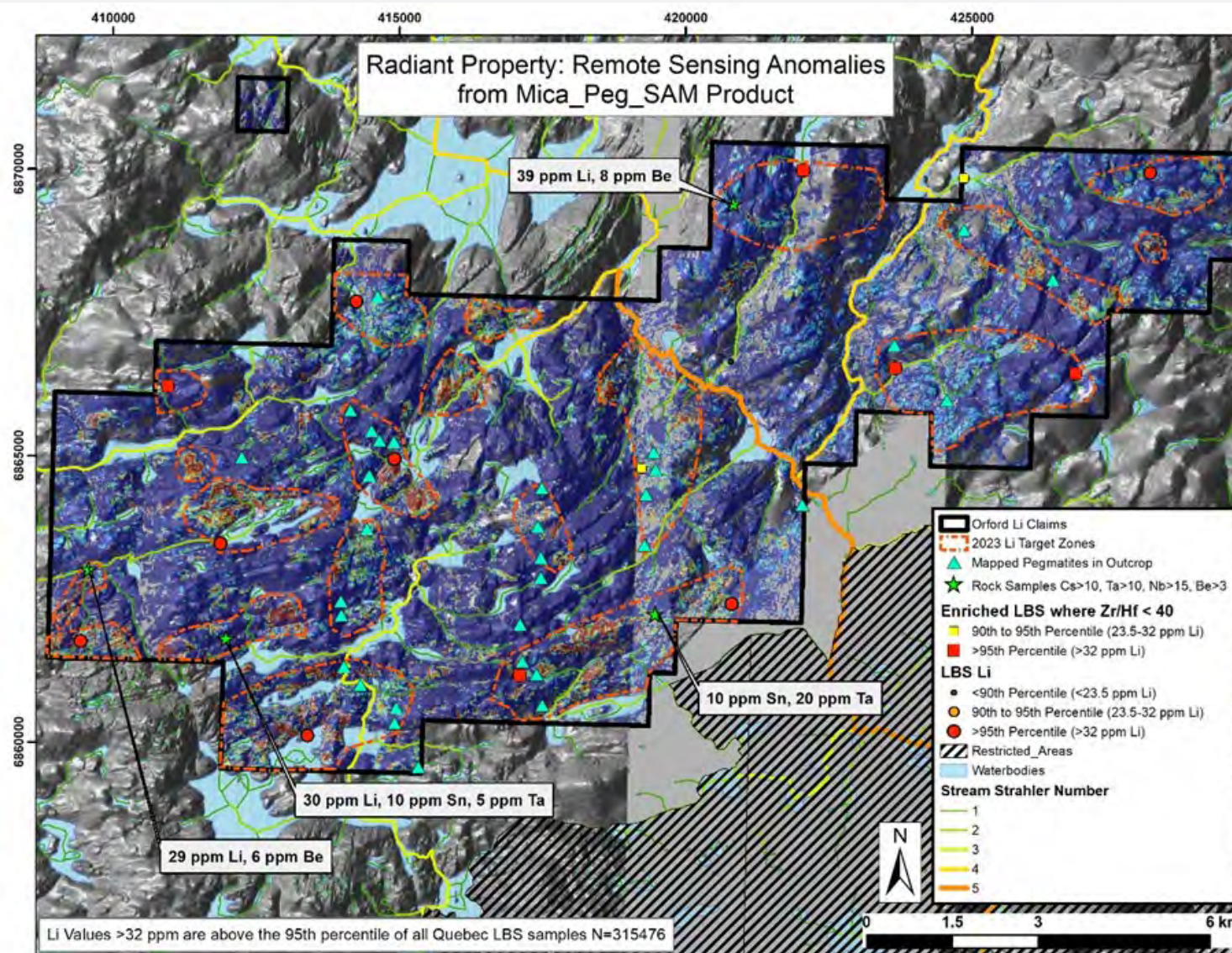
Mining Nunavik Region Critical Metals South Group of Exploration Properties Regional Geology and DEM.



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# NUNAVIK LITHIUM PROJECT – RADIANT PROPERTY

High Priority Targets on Orford’s Radiant Property, targets shown on “Mica\_Peg\_SAM” remote sensing product



“The Mica\_Peg\_SAM” remote sensing product used a resampled spectral signature, from a known hard rock lithium pegmatite complex, and then mapped the Radiant property using the Spectral Angle Mapper (SAM) algorithm.

Areas with a spectral response similar to the known hard rock lithium pegmatite complexes may potentially represent additional pegmatite targets. Many of which were proximal to known pegmatites at Radiant.

This remote sensing study has identified an additional 15 target areas which now totaling 23 on the Radiant Property.

**This remote sensing data helped to increase the number of high priority lithium pegmatite targets on the Nunavik Lithium Properties combined with the available government data.**

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

# PEGMATITES FOUND EVERYWHERE

Field teams have taken 640 samples including some channel samples

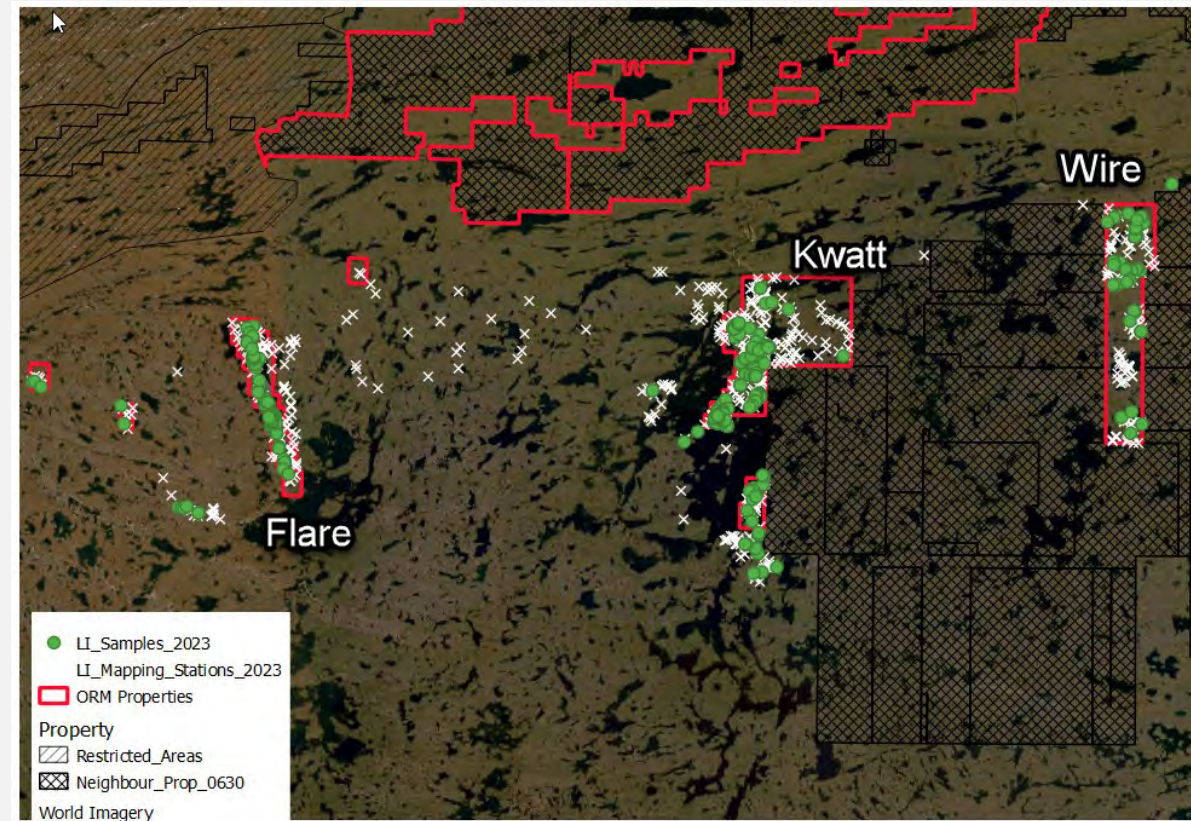
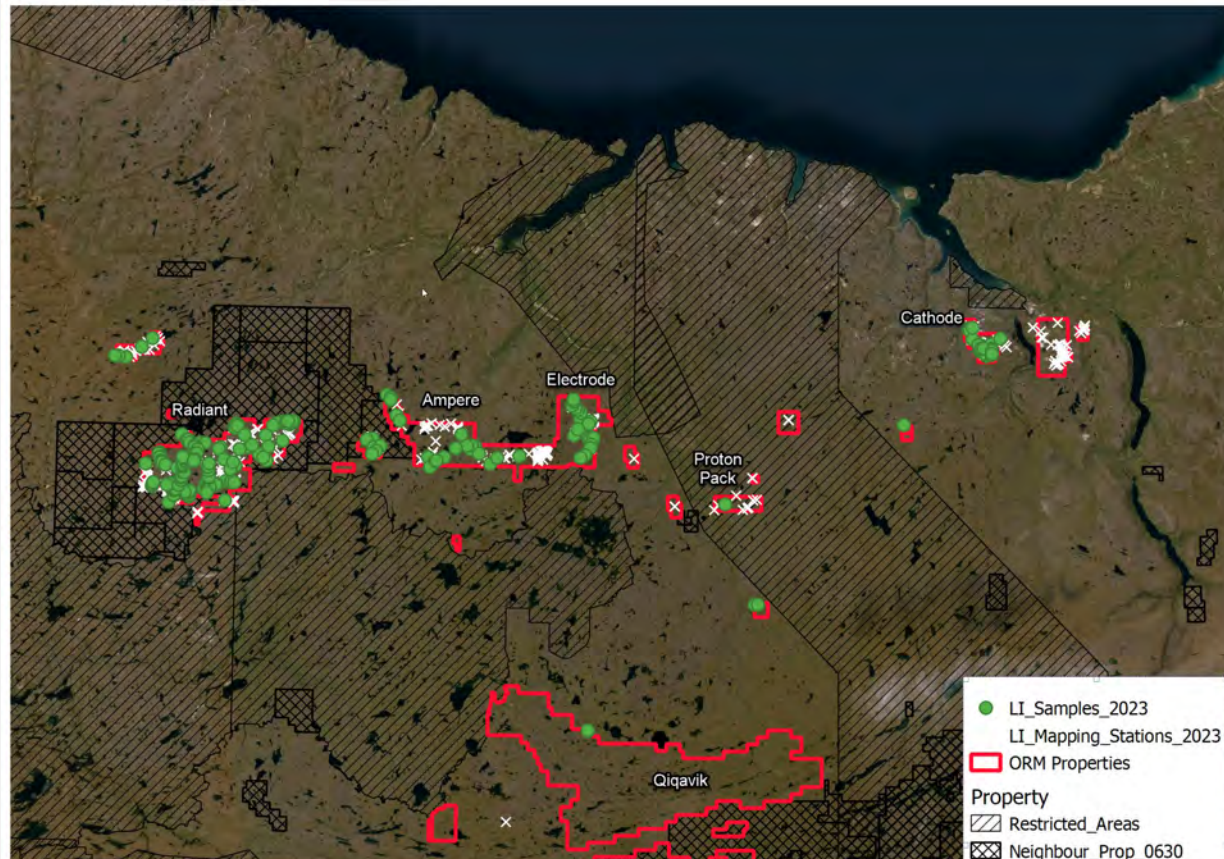


# NUNAVIK LITHIUM

## 1<sup>st</sup> Pass Prospecting Complete

Type	Number	Pegmatite
Mapping Stations	1534	580
Grab Samples	621	489
Channel Samples	19	19
Till Samples	550	

- Pegmatites bearing green muscovite, tourmaline +/- beryl, garnet, appetite (along with albite, quartz and feldspars) observed on 3 properties: Cathode, Flare and Kwatt and are considered the most prospective.
- On these 3 properties pegmatites intrude into volcanics and sediments a favorable environment for LCT's
- 550 till samples taken on the northern properties where government lake sediments indicate a strong lithium source as a tool to fine tune that search.



# NUNAVIK LITHIUM

## Kwatt Channel Sample

- Example of Kwatt Pegmatite



# NUNAVIK LITHIUM

## Kwatt Channel Sample

- Example of Kwatt Pegmatite



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

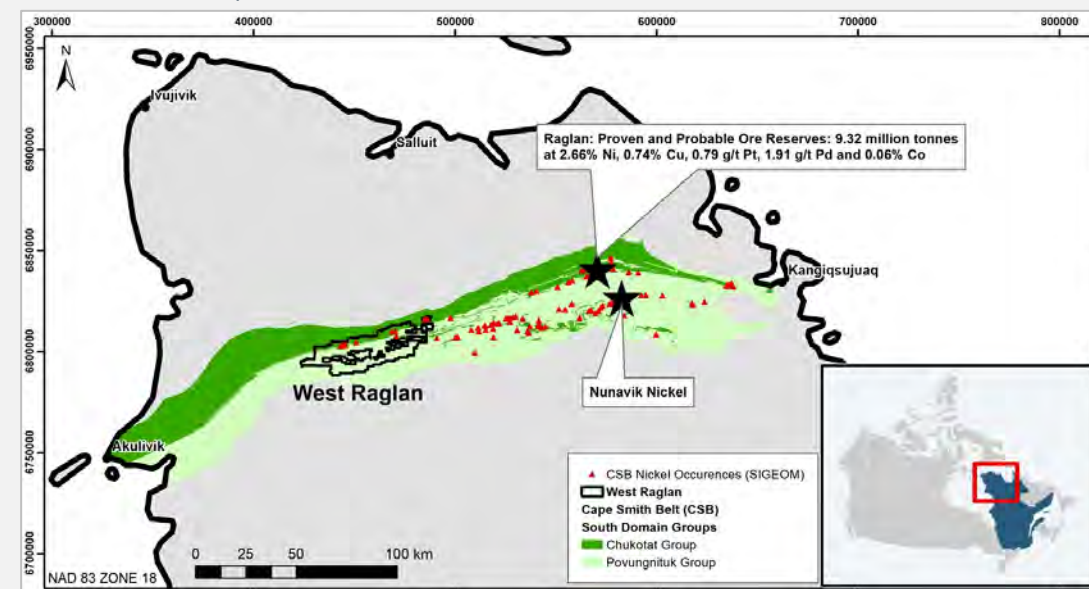
Massive 713 km<sup>2</sup> property in a prolific, yet underexplored region in Quebec

- 51% Wyloo, 49% Orford Mining, advanced stage Ni-Cu-PGE exploration project covering nearly 707 km<sup>2</sup> in the Cape Smith Belt, Nunavik, Quebec
- Wyloo notified Orford that it is exercising the second earn-in option to complete an additional C\$5 million in expenditures on the West Raglan property to earn an additional 19% interest in the property (to reach 70%) by January 18, 2026.
- 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

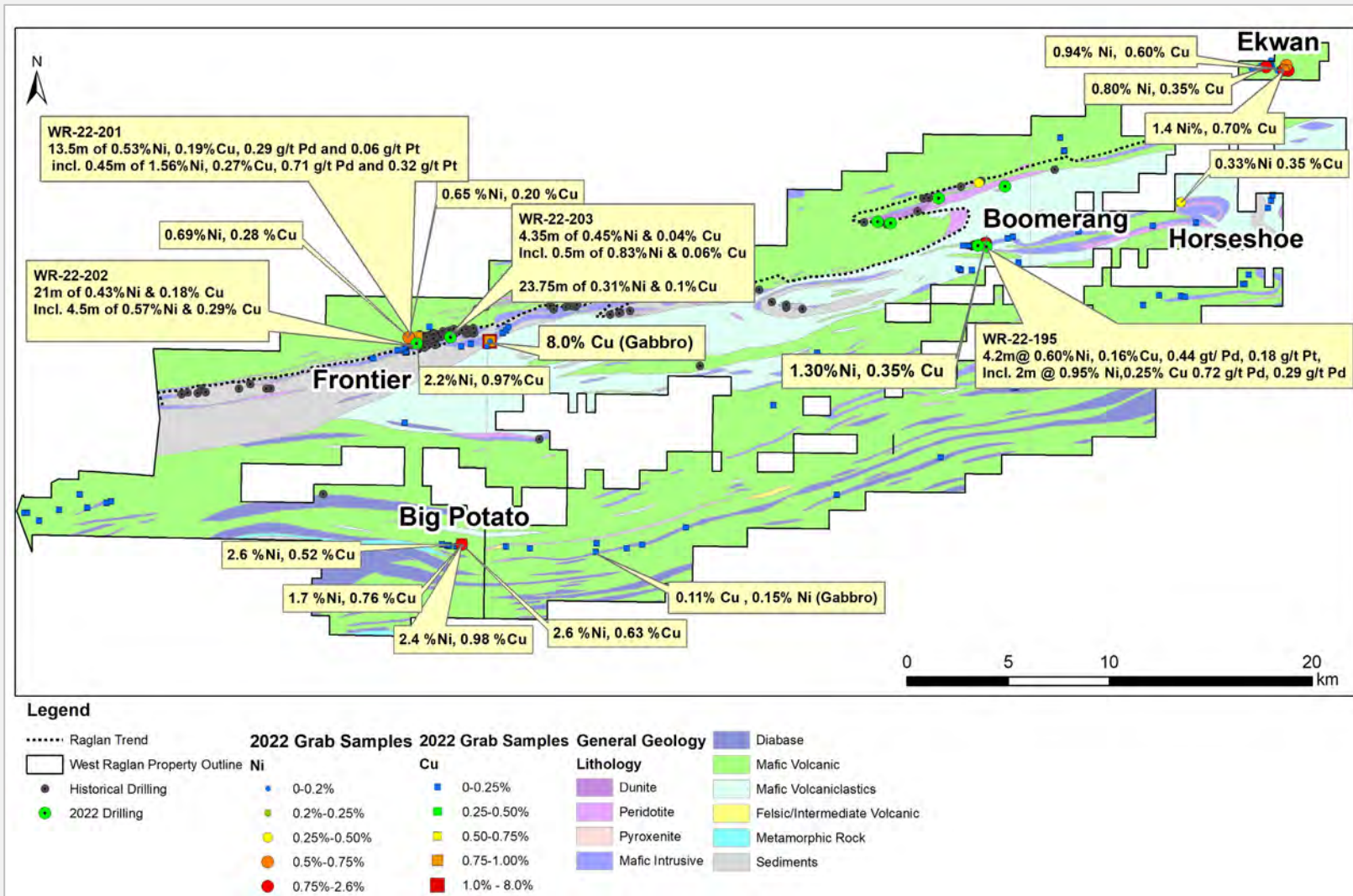


Ground views of West Raglan property



# WEST RAGLAN NI/CU/PGM – 2022 WORK

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



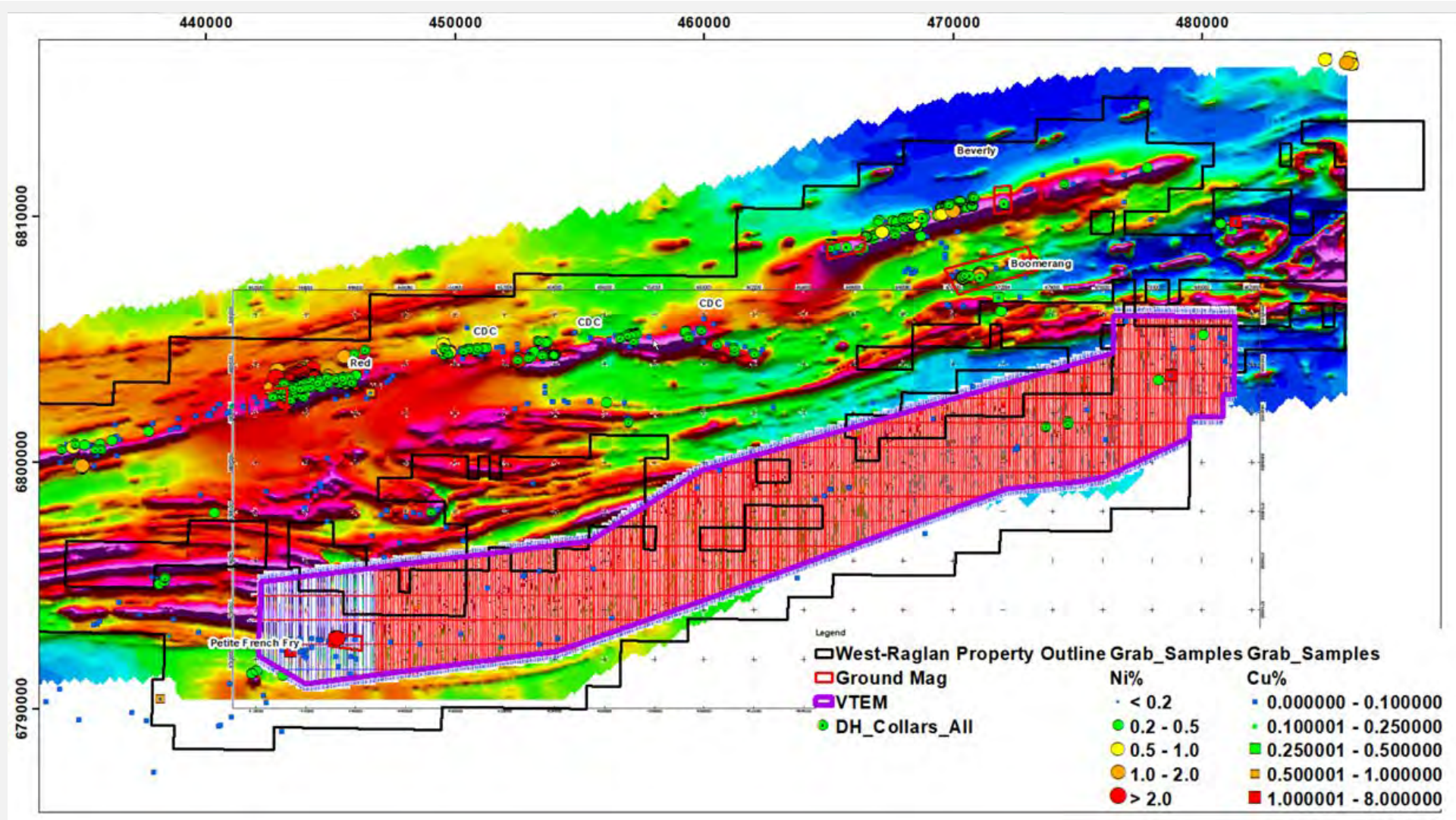
This year’s program funded by Wyloo and operated by Orford is a target-building program and includes 1,981 line-km of airborne magnetic and EM surveying over the South Trend (also referred to as the Canadian Royalties Nunavik Nickel Mine trend).

*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*



# WEST RAGLAN NI/CU/PGM – 2023 WORK

2023 Geophysical program completed



- VTEM airborne geophysics totalling 1,783.9 line-km have been flown in 2023.
- Ground Magnetics geophysical surveys at Frontier, Boomerang, Beverly and Petite French Fry of about 120 line-km have been completed in 2023.



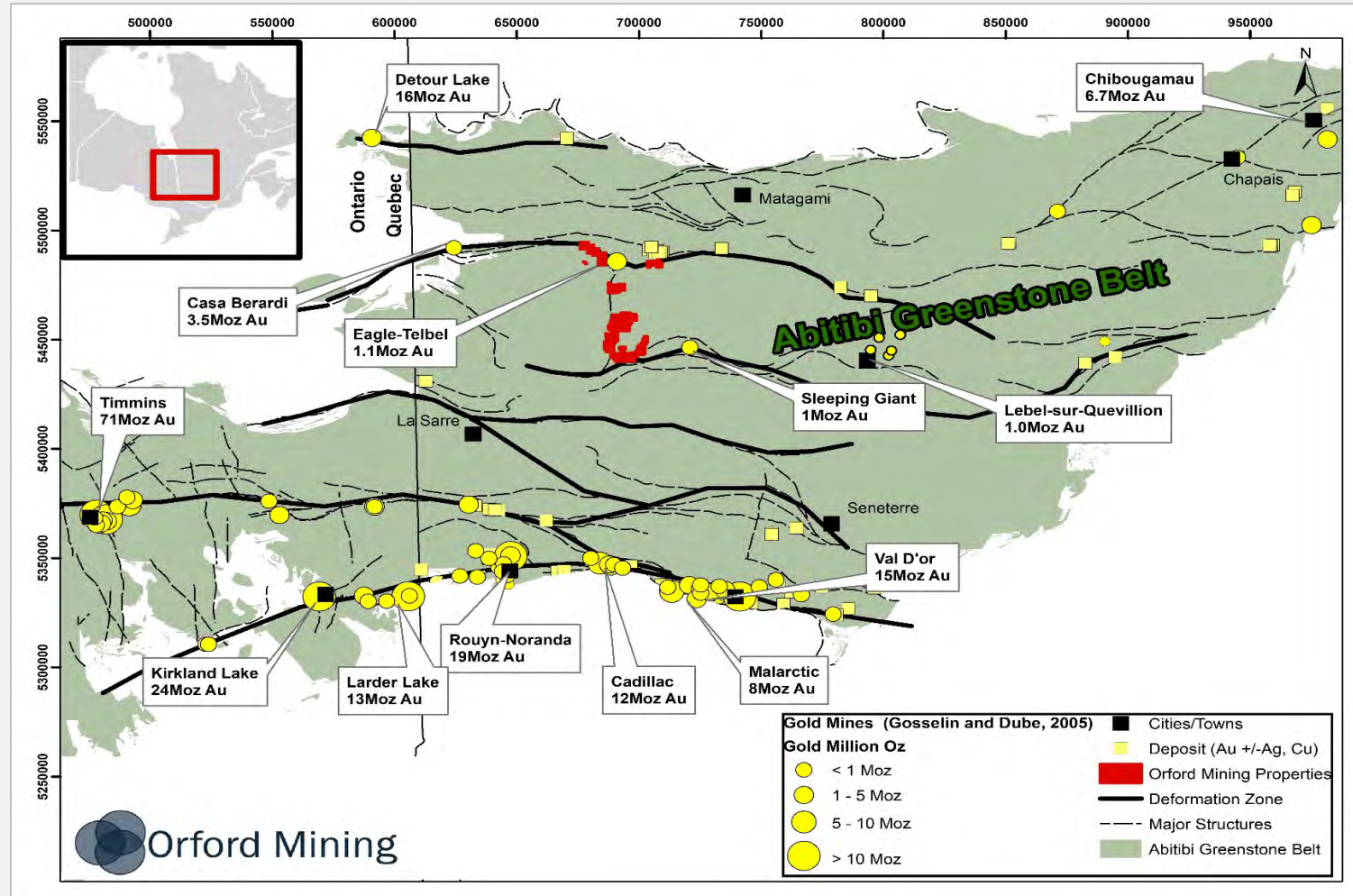
# GOLD EXPLORATION IN THE ABITIBI

Joutel District Gold Projects



# ORFORD HOLDS LARGE GOLD PROPERTY POSITION IN THE ABITIBI

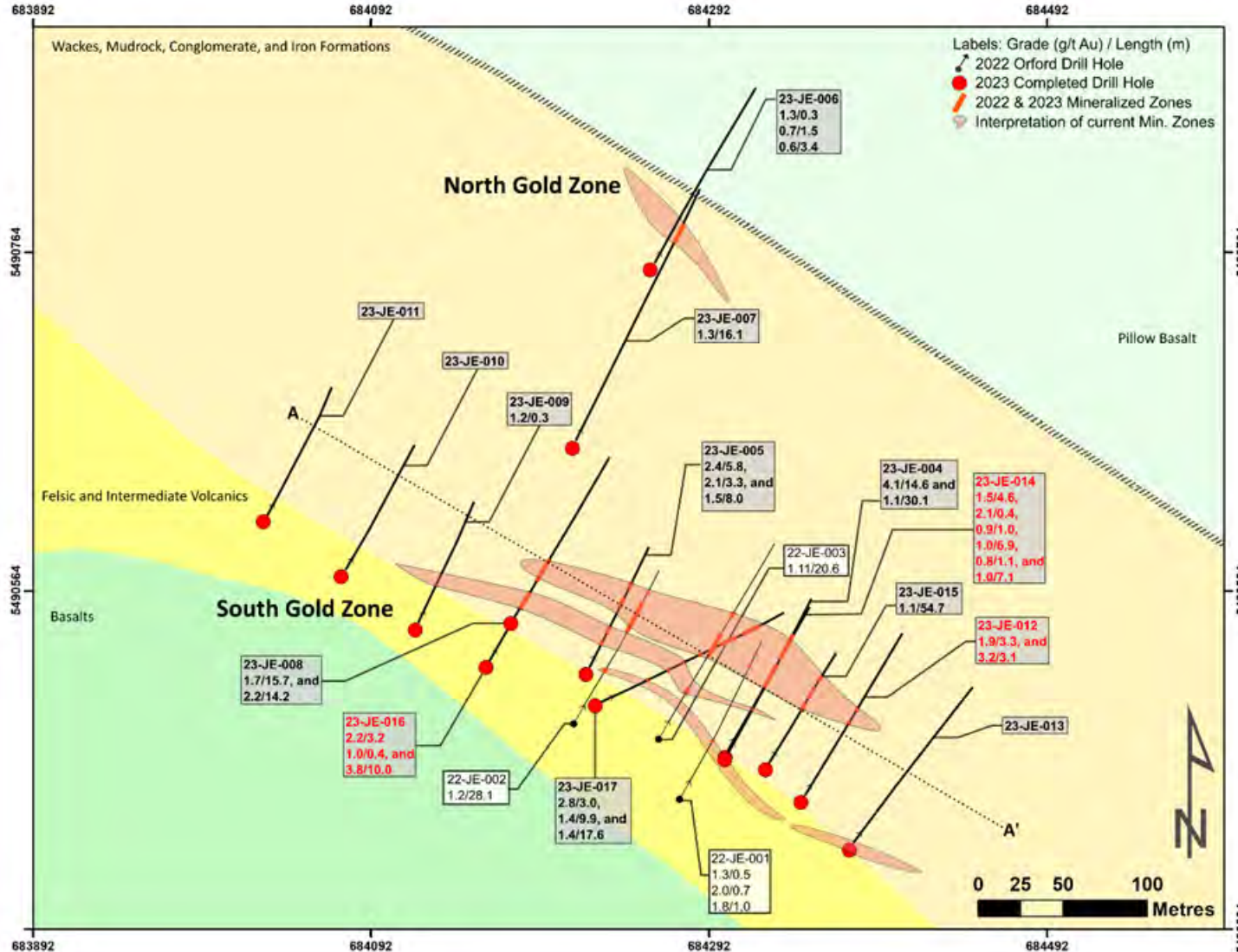
Four properties totalling 260 sq kms in the heart of the Abitibi – vastly under-explored



*This information is not necessarily indicative of the mineralization on Orford Mining's properties*

# JOUTEL EAGLE GOLD PROJECT - 2023 DRILLING

14 hole 2,535 metre program

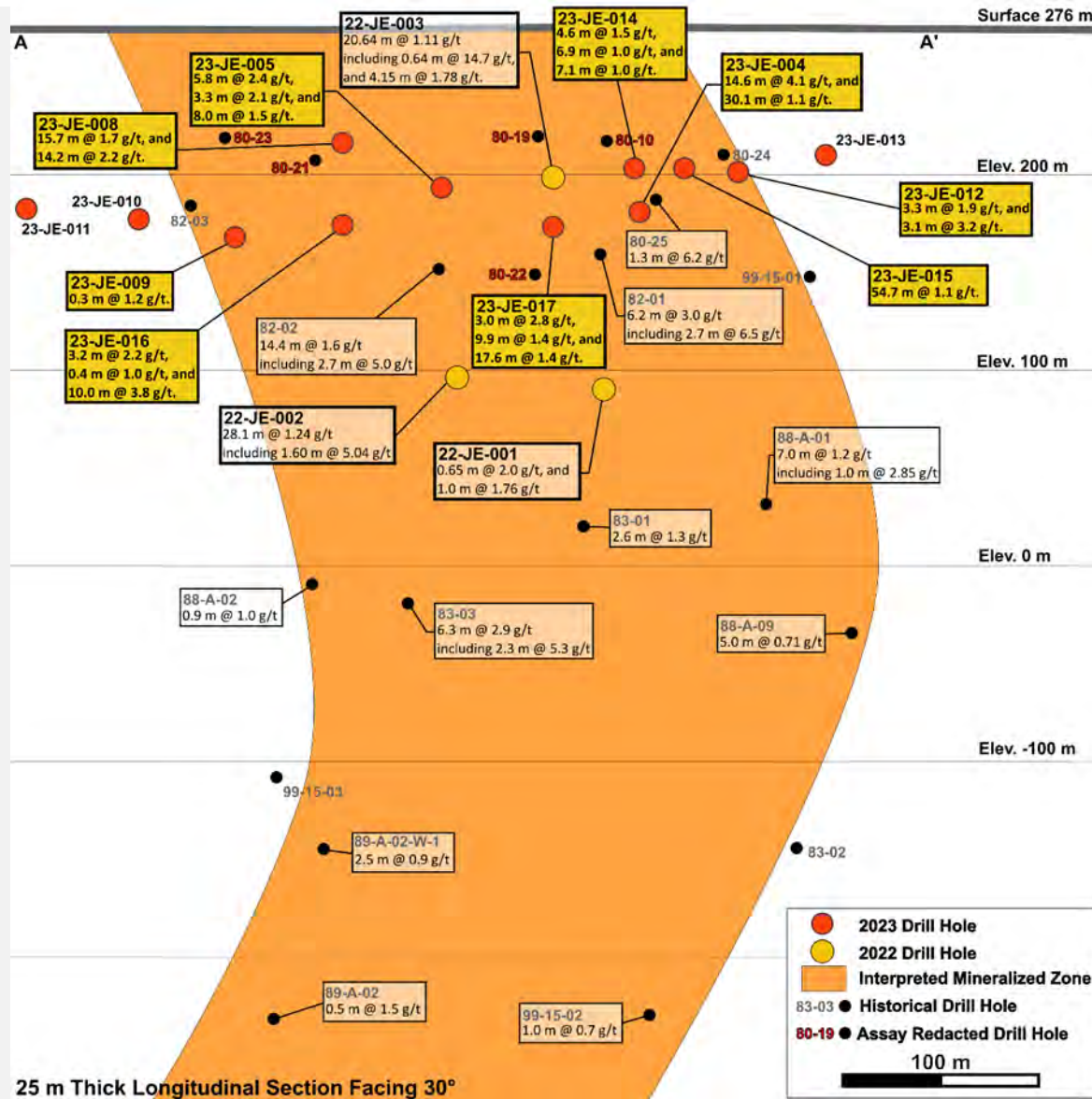


- **23-JE-004:** Grades of up to 28.7 g/t gold over 0.32 metres included in an interval of 4.1 g/t gold over 14.6 metres
- **23-JE-005:** Grades of up to 1.5 g/t over 8.3, or 2.4 g/t over 5.8 metres including 27.7 g/t over 0.4 m
- **23-JE-008** has reported two thick intersections of gold mineralization: 15.7 metres @ 1.7g/t Au (21.7 to 35.1 metres) and 14.2 metres @ 2.2g/t Au (61.9 to 70.1 metres) which is approximately 200 metres to the north west of hole **23-JE-015** which reported 54 metres @1.1 g/t including higher grade intervals of up to 9.1g/t Au over 0.4 metres.
- **Hole 23-JE-017** intersected multiple thick gold zones such as 1.4 g/t gold over 9.9 metres including 5.0 g/t over 2.3 metres, 1.4 g/t over 17.6 metres including 5.0 g/t over 2.5 metres and 0.80 g/t over 21.3 metres
- **Hole 23-JE-016** intersected 3.8 g/t Au over 10.0 m from 108.0 m to 118.0.
- **New North Gold Zone:** Hole **23-JE-007** has reported 1.3 g/t Au over 16.1 metres from 201.0 metres including higher grade intervals of up to 4.5g/t Au over 1.1 m, in a previously untested area of the Joutel Eagle Property

Note: The historical assays referred to in this release and shown in this figure were obtained from historical work reports filed with the Quebec Ministry of Energy and Natural Resources and has not been independently verified by a Qualified Person as defined by NI 43-101. True thicknesses cannot be estimated with available information. Compositated intervals are reported at a cut-off of 0.5g/t Au.

# JOUTEL EAGLE GOLD PROJECT

Long Section showing 2022 and 2023 results along with historic results from 1980's and 1990's



- Results from assays have confirmed, extended, and better defined a series of thick, near-surface mineralized zones (“South Gold Zone”) within 150 metres of surface including:
  - Gold mineralization intersected in the top 40 metres in hole 23-JE-008 which reported **1.7g/t Au over 15.7m** from 21.65 to 37.35 m, including **5.8g/t Au over 4.1m** (Table 1).
  - 23-JE-004 that reported **4.1g/t Au over 14.6m** from 100.30 to 114.90m including higher grade intervals.
  - 23-JE-16 reported **3.8 g/t Au over 10.0 m** from 108.0 m to 118.0m.

Note: The historical assays referred to in this release and shown in this figure were obtained from historical work reports filed with the Quebec Ministry of Energy and Natural Resources and has not been independently verified by a Qualified Person as defined by NI 43-101. True thicknesses cannot be estimated with available information. Compositing intervals are reported at a cut-off of 0.5g/t Au.

## 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.

2022, 19% or \$1.6 million 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 offers the largest land exposure in the Cape Smith Belt of Nunavik Quebec. A new gold district with the Qiqavik property, Nickel Sulphide project with Wyloo Metals as its partner at West Raglan, first mover advantage on very large property position staked for lithium in Nunavik and a gold property at Joutel Eagle in the Abitibi which is moving towards a resource.

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

**2023 Exploration program on 4 projects** with over \$6.0 **million** spent on all projects including earn in expenditures by Wyloo on the West Raglan Ni-Cu-PGM Property





# APPENDIX - CRITICAL MINERALS FUNDAMENTALS

Supply-Demand in the United States

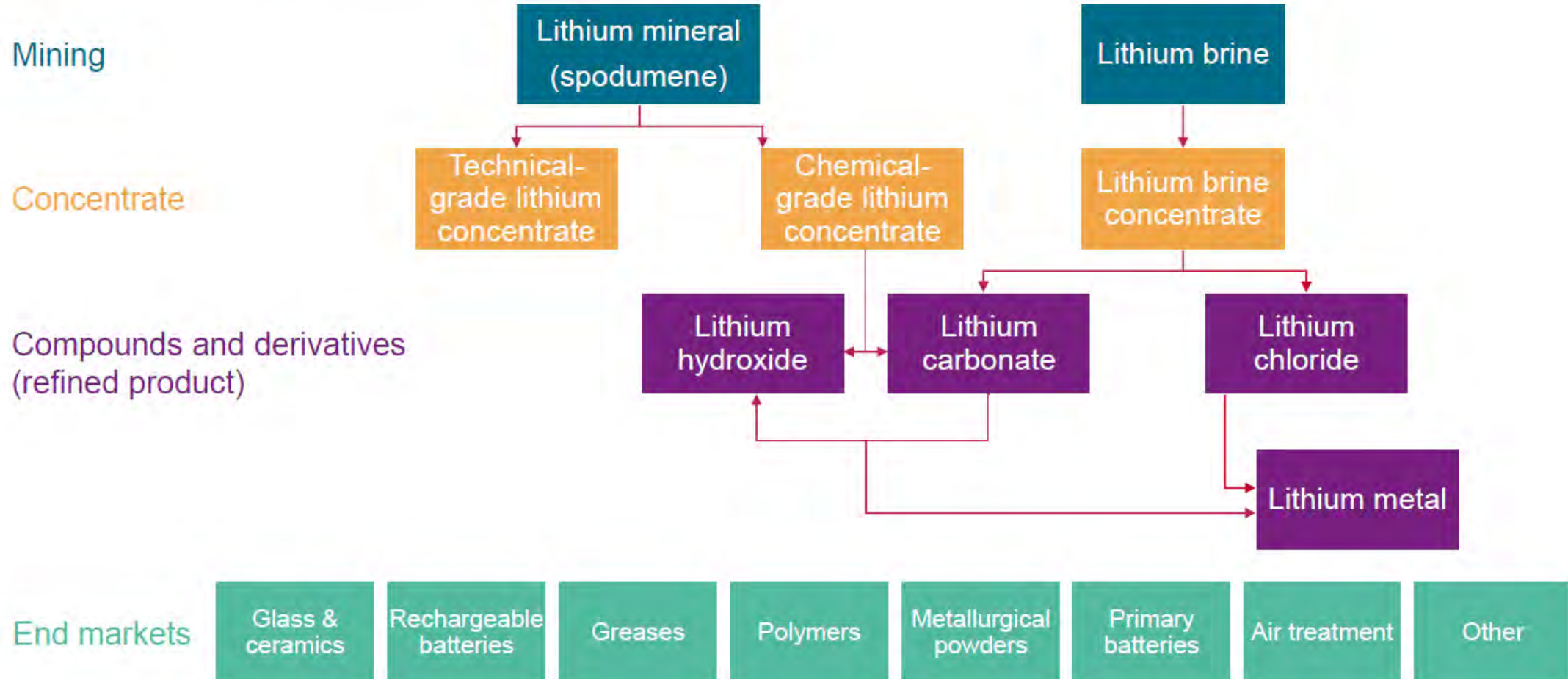




# LITHIUM SUPPLY DEMAND FLOW CHART

Source-Refine-Market

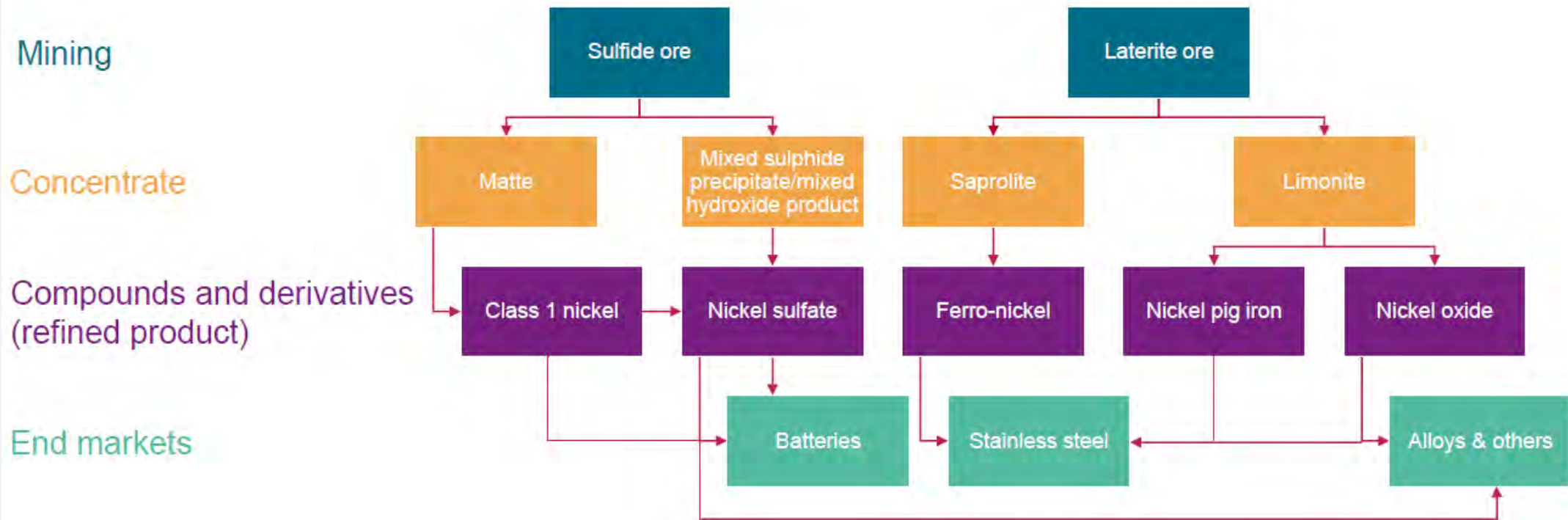
## Lithium supply: from mined to refined



# NICKEL SUPPLY AND USAGE FLOW CHART

Mine-Refine-Market

## Nickel supply: from mined to refined



# COPPER SUPPLY AND USAGE FLOW CHART

Mined-Refined-Market

## Copper: from mined to refined

Raw materials

**Mined copper**  
(Purity less than 1%)

**Recycled copper/scrap**

Concentration

**Copper concentrate**  
(Purity 25%-35%)

Processing

**Primary production**

**Smelting**  
(Purity 98% as blister)

**Solvent extraction and electrowinning (SX-EW)**

**Secondary production**

Refining

**Refined copper**  
(Purity 99.9%)

Manufacturing

Wires, sheets, pipes, tracks, rods, etc.

End markets

Wiring Equipment Automotive/transportation Construction Industrial Infrastructure

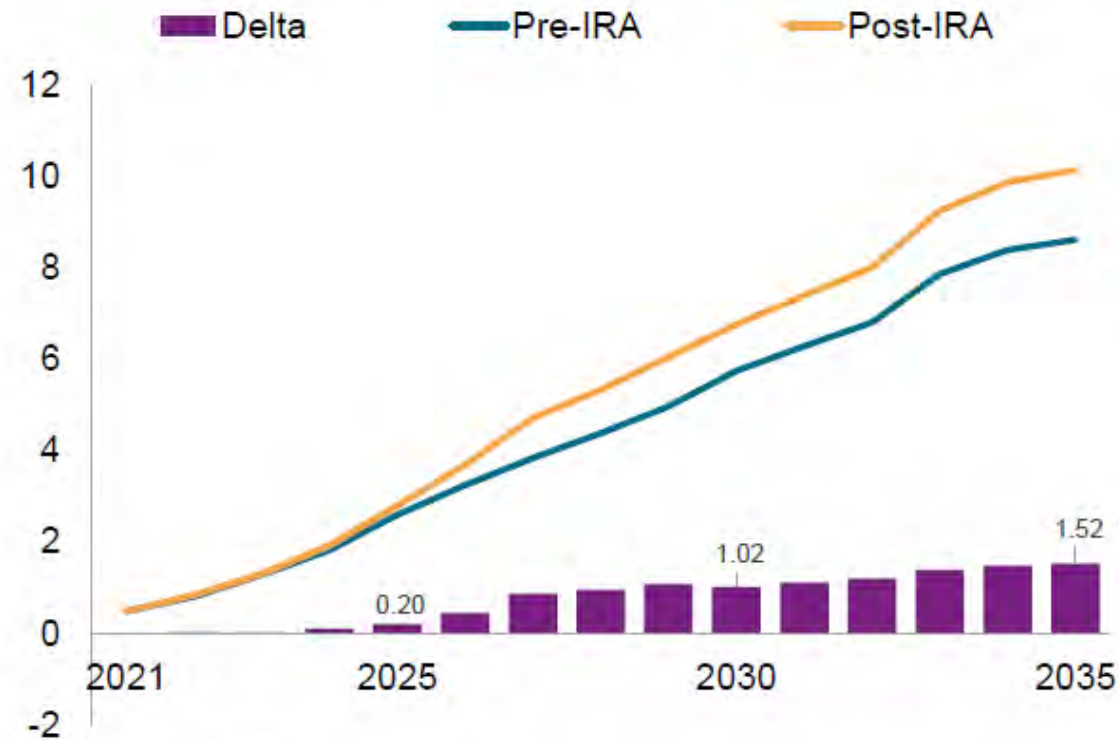
Some scrap is used directly (direct-use) at the fabrication and semi-fabrication stage.

# ELECTRIC VEHICLE SALES GROWTH IN THE USA

Vehicle sales and EV battery sales growth

## New EV sales: United States

Million vehicles

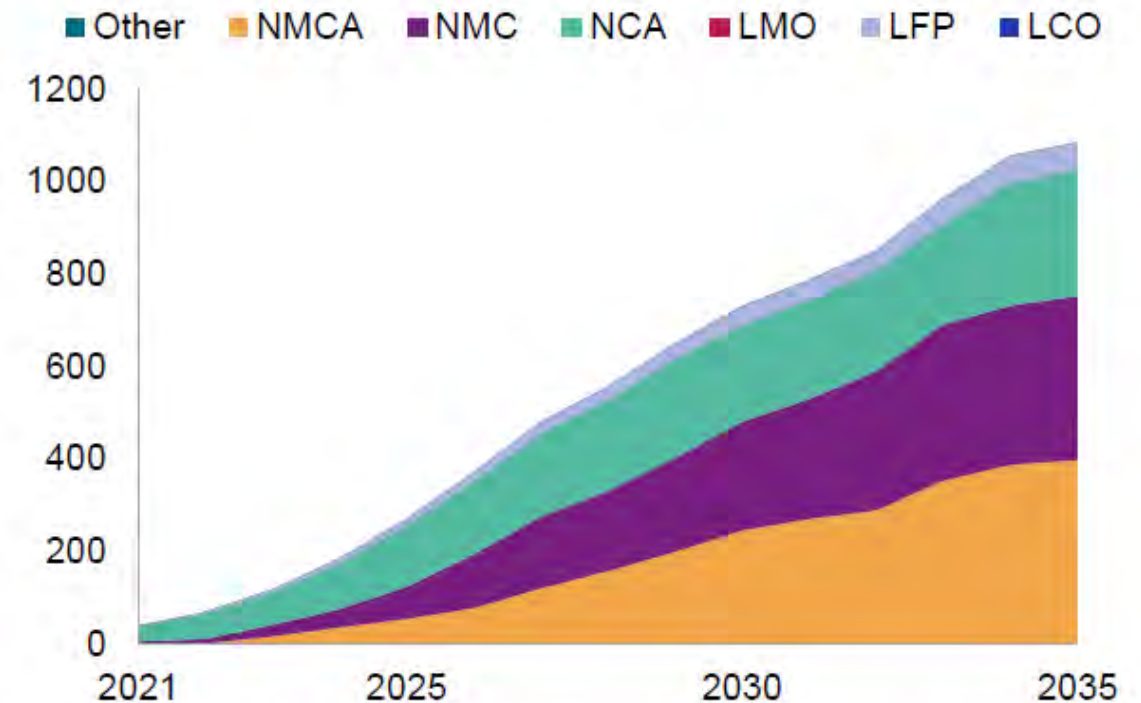
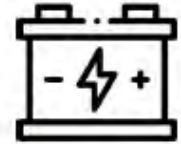


Data compiled February 2023.

Source: S&P Global Commodity Insights; S&P Global Mobility.

## US EV battery demand by cathode

GWh



Data compiled February 2023.

LCO = lithium cobalt oxide; LFP = lithium iron phosphate; LMO = lithium manganese oxide; NCA = nickel cobalt aluminum; NMC = nickel manganese cobalt; NMCA = nickel manganese cobalt aluminum.

Excludes PHEV and HEV.

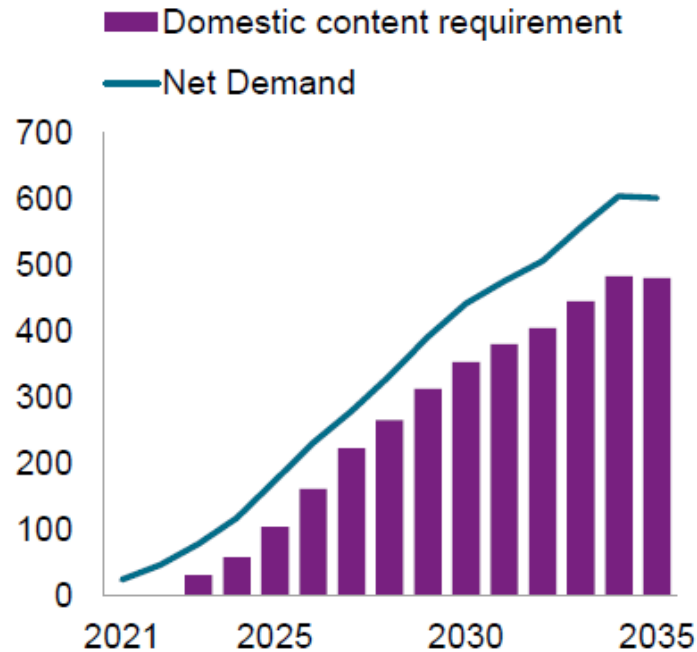
Source: S&P Global Commodity Insights; S&P Global Mobility.

# GROSS DEMAND IN CRITICAL MINERALS IN THE UNITED STATES

Demand is forecasted to grow exponentially in Nickel, Lithium, Cobalt but also in Copper

## Nickel demand vs. domestic

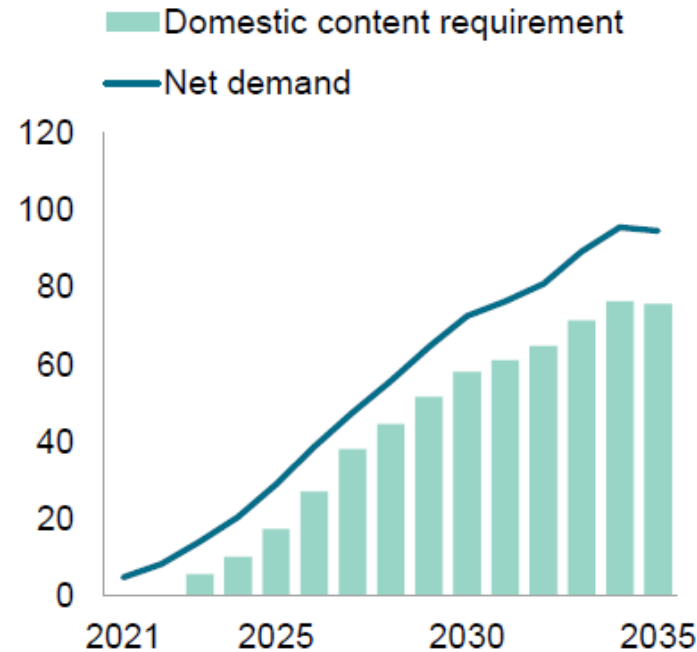
Thousand metric tons



Data compiled February 2023.  
Source: S&P Global Commodity Insights; IRS Report.

## Lithium demand vs. domestic

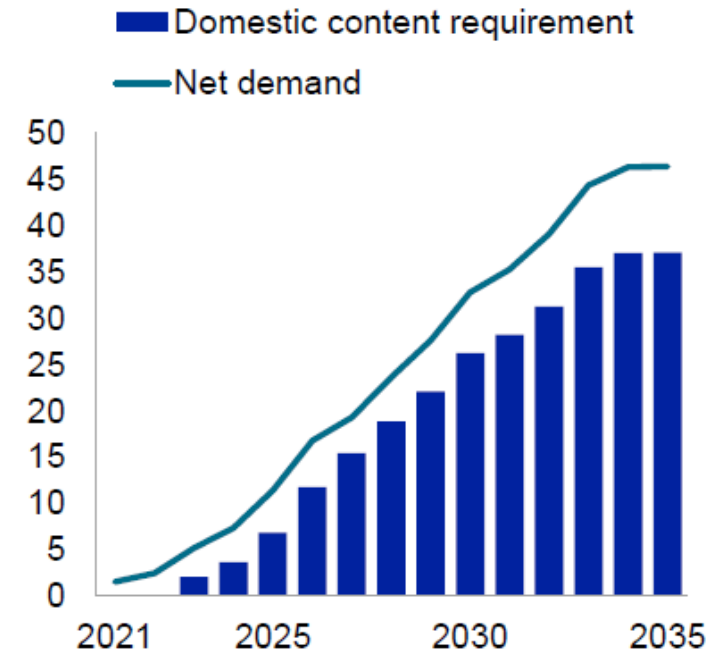
Thousand metric tons



Data compiled February 2023.  
Source: S&P Global Commodity Insights; IRS Report.

## Cobalt demand vs. domestic

Thousand metric tons



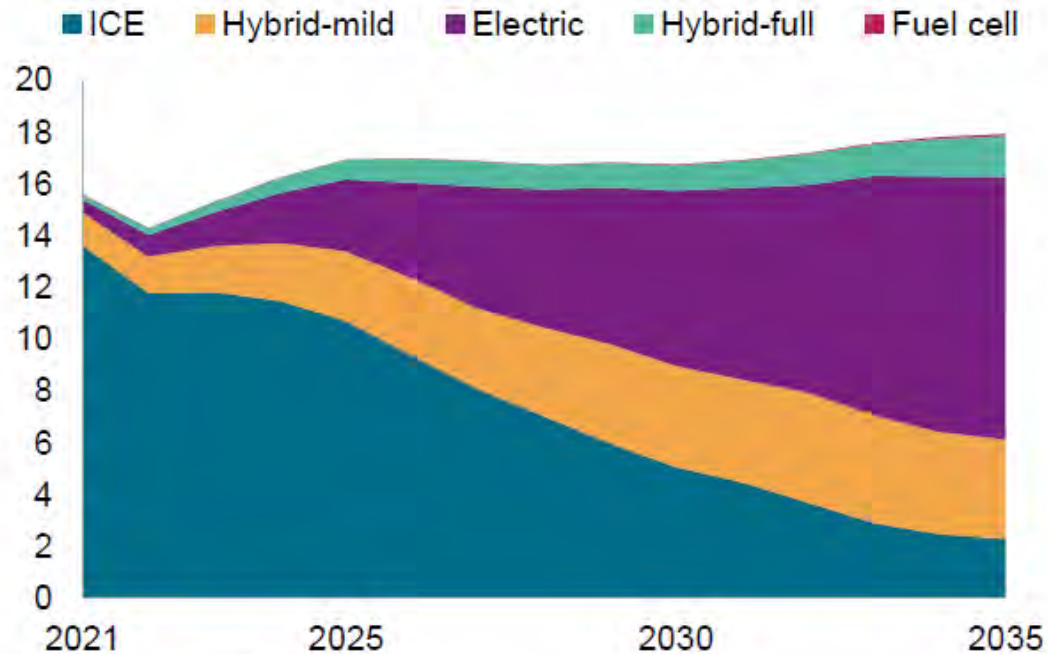
Data compiled February 2023.  
Source: S&P Global Commodity Insights.

# VEHICLE SALES BY TYPE IN THE UNITED STATES

Growth in Electrical vehicles is to be staggering in the coming years.

## US new vehicle sales by type

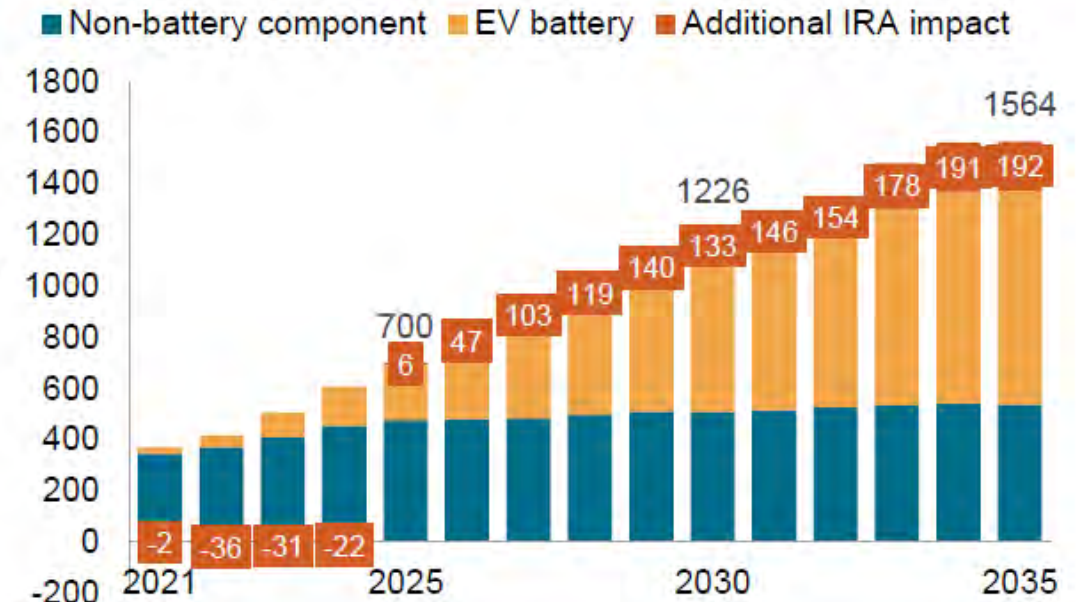
Millions of vehicles



Data compiled February 2023.  
ICE = internal combustion engine.  
Hybrid-mild cannot drive on pure battery alone, while hybrid-full can; fuel-cell vehicles are powered by hydrogen.  
Source: S&P Global Mobility.

## US copper end-use<sup>1</sup> demand in transport

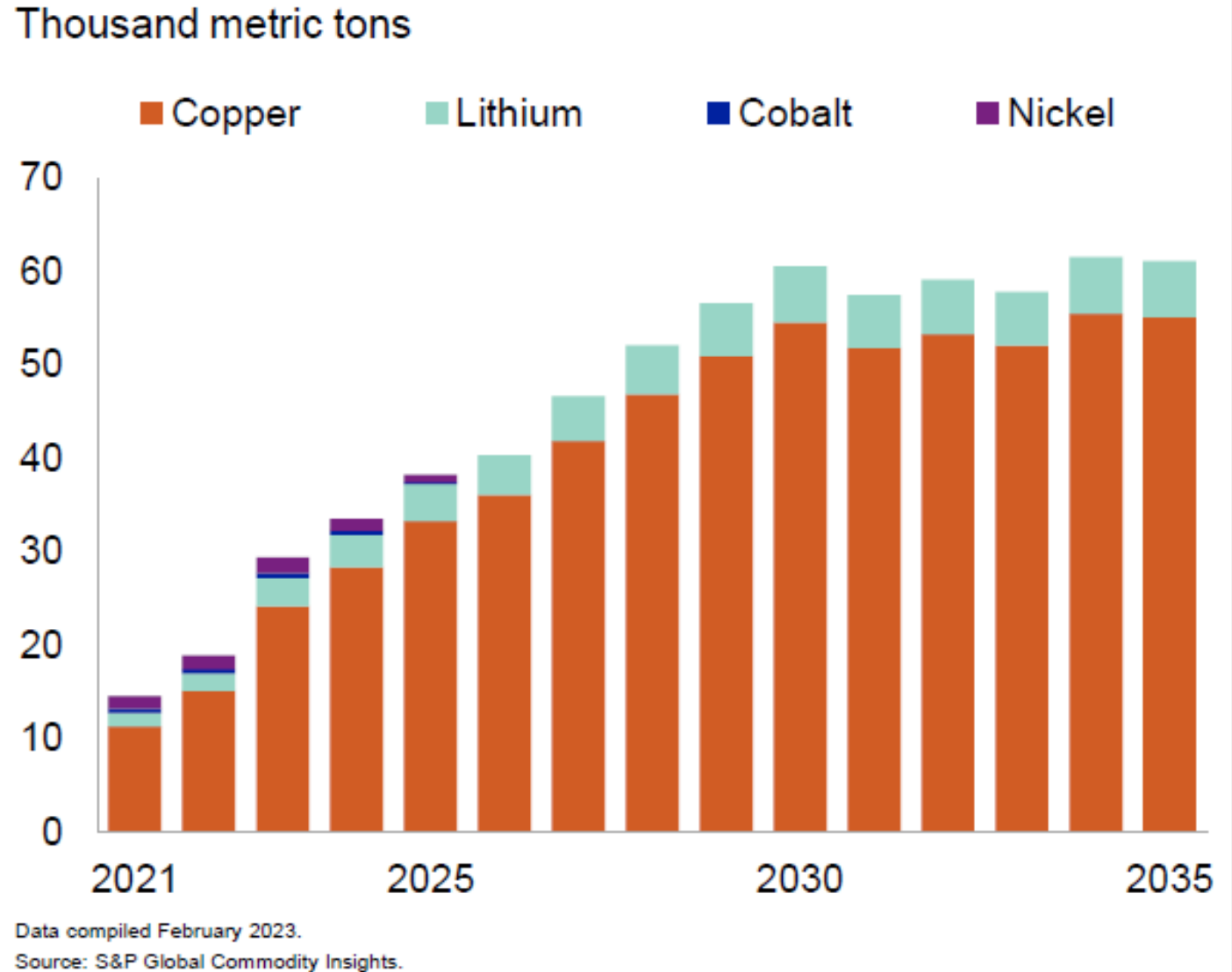
Thousand metric tons



Data compiled February 2023.  
<sup>1</sup> This represents end-use demand (excludes recycling assumptions).  
Non-battery components include harnesses and other electrical wires. Some levels of copper substitutions were assumed and are available in the appendix. Short-term negative "additional IRA impact" reflects slowdown in sales observed due to other macroeconomic factors in our latest outlook vs. the pre-IRA outlook.  
Source: S&P Global Commodity Insights.

# METAL DEMAND FOR ENERGY STORAGE SYSTEMS

Energy Storage requires a different subset of metals and will include metals like Vanadium

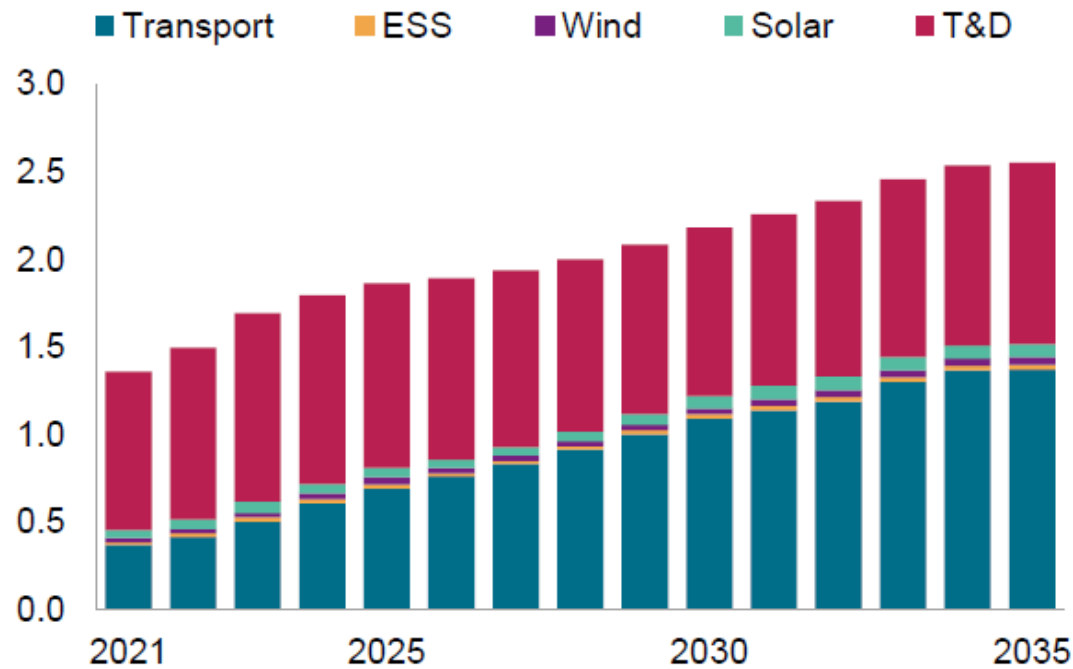


# COPPER AND CRITICAL MINERAL DEMAND BY SECTOR 2021-35

Electrification

## US ET-related copper demand by sector

Million metric tons Cu



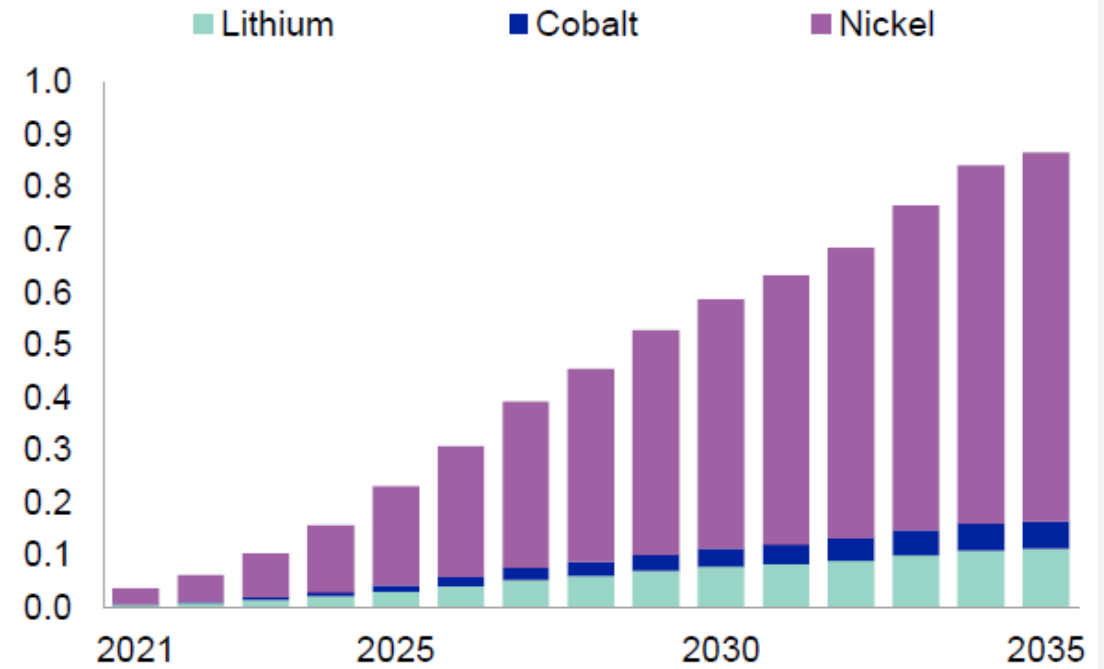
Data compiled February 2023.

Countries will be competing for the same copper supply as all countries shift toward more renewable energy capacity additions and electrification of their energy supply – this will further limit potential for supply availability.

Source: S&P Global Commodity Insights.

## US ET-related critical minerals consumption

Million metric tons metal



Data compiled February 2023.

Countries will be competing for the same supply as all countries shift toward more renewable energy capacity additions and electrification of their energy supply – this will further limit potential for supply availability.

Source: S&P Global Commodity Insights.

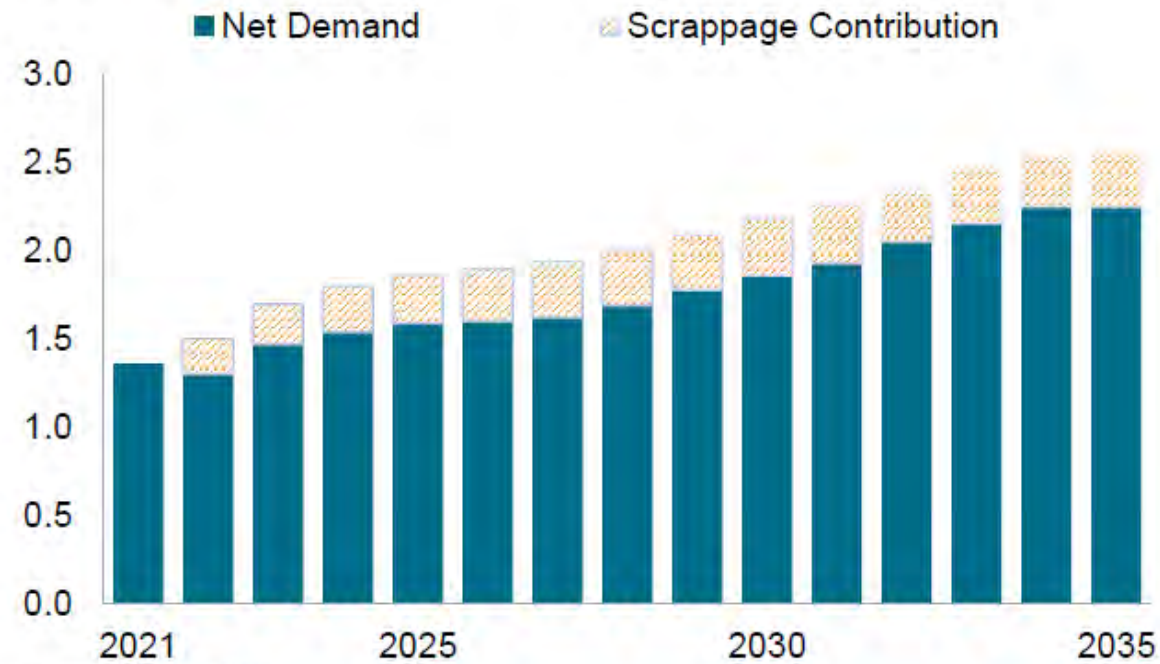


# COPPER DEMAND IN THE UNITED STATES 2021-35

Electrification

## US ET-related copper demand (net of recycled Cu from vehicles)

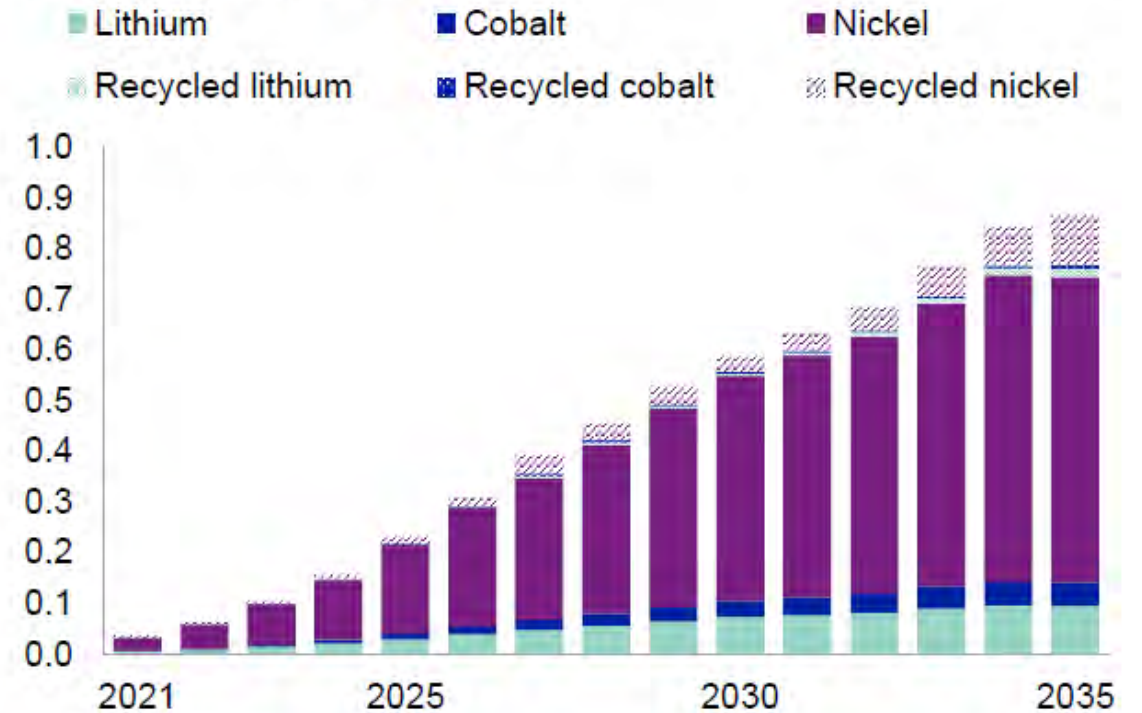
Million metric tons Cu



Data compiled February 2023.  
Source: S&P Global Commodity Insights.

## US ET-related net critical minerals demand by metal

Million metric tons metal



Data compiled February 2023.  
Source: S&P Global Commodity Insights.



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

# THANK YOU

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