

TSXV: **ORM**
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GOLD AND CRITICAL MINERAL EXPLORATION IN QUEBEC

Summer Exploration Update

July 27, 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.

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.



FULLY FINANCED – COMPLETED TWO RECENT FINANCINGS

- Completed two financings between May and July
- Raised a total of \$5.47 million dollars
- Issued
 - First financing had two closings with a total of 16,858,587 shares issued and 8,329,294 warrants issued (2-year life and a \$0.215 strike price) composed of Critical minerals flow through, regular flow through and hard dollars.
 - Second financing had one closing with a total of 13,123,813 shares issued composed of Critical minerals flow through, regular flow through and hard dollars.
 - All shares issued have a four month hold period.
- This was a very difficult financing market.
- Currently have 200,442,702 shares outstanding with a market cap of \$34.08 million.
- Alamos Gold Inc. is our biggest shareholder and increased its interest in the company to 27.88% from 26.18% before the first financing.



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

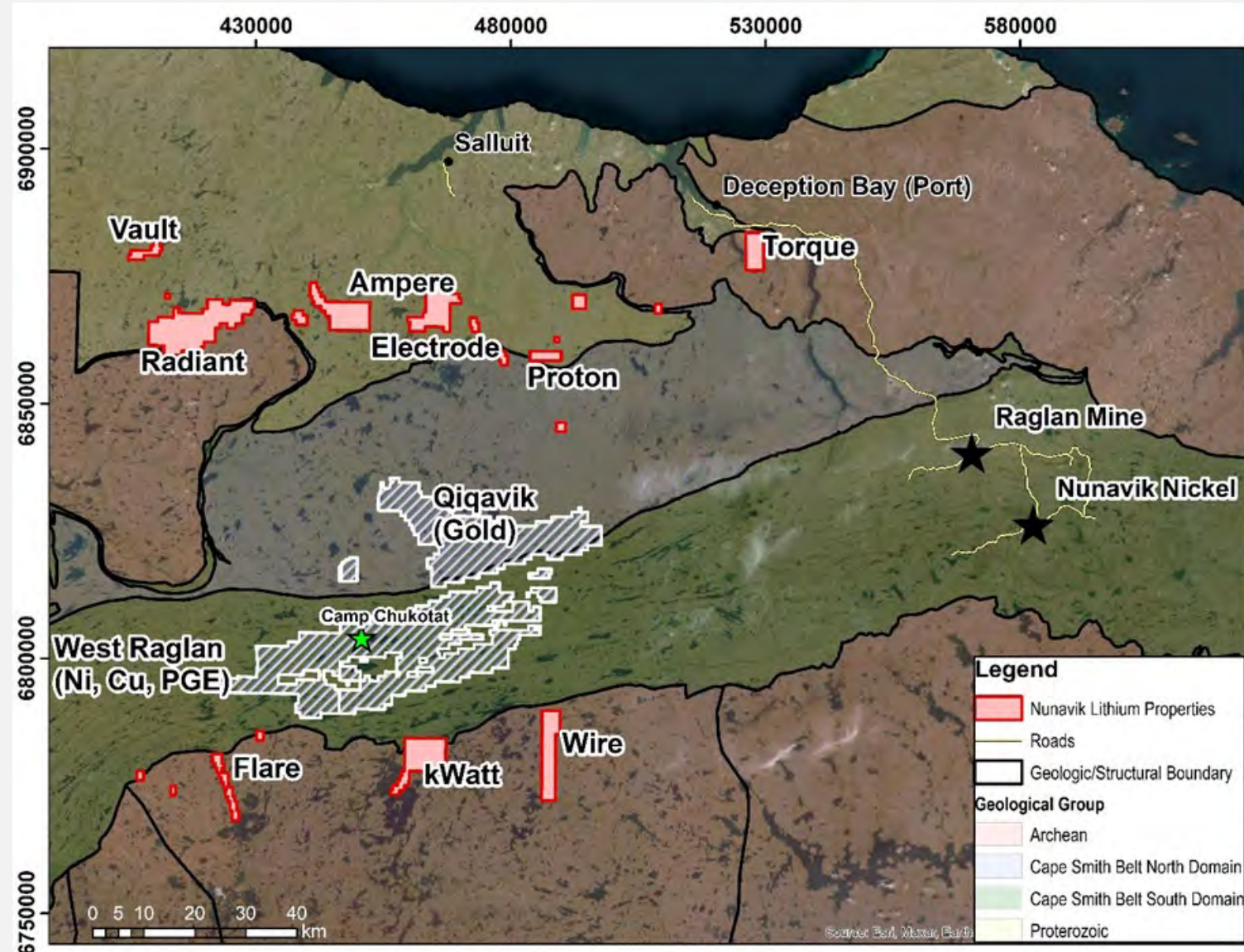
- Monique is the Practice Lead, Capital Markets and Securities for Practical Law Canada at Thomson Reuters. Previously with Fogler, Rubinoff LLP, a full service law firm in Toronto where she practiced for 22 years in the business law dept.
- Chair of the Board of the Dancer Transition Resource Centre.
- 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.

NUNAVIK REGION EXPLORATION

Multi Commodity – Multi Disciplined Exploration

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.

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



ORFORD'S REGIONAL STRATEGIC ADVANTAGE

- Camp Chukotat, centrally located 90km south of Salluit
- Salluit Storage and logistical base which includes pre-ordered fuel
- Operating greenfield exploration in Nunavik since 2015

2023 Summer Work Includes:

- Geophysics, Mapping and Drilling On Qiqavik
- Exploration/Prospecting for Li-Bearing Pegmatites on Nunavik Lithium Properties
- Geophysics on West Raglan Ni-Cu-PGE Property





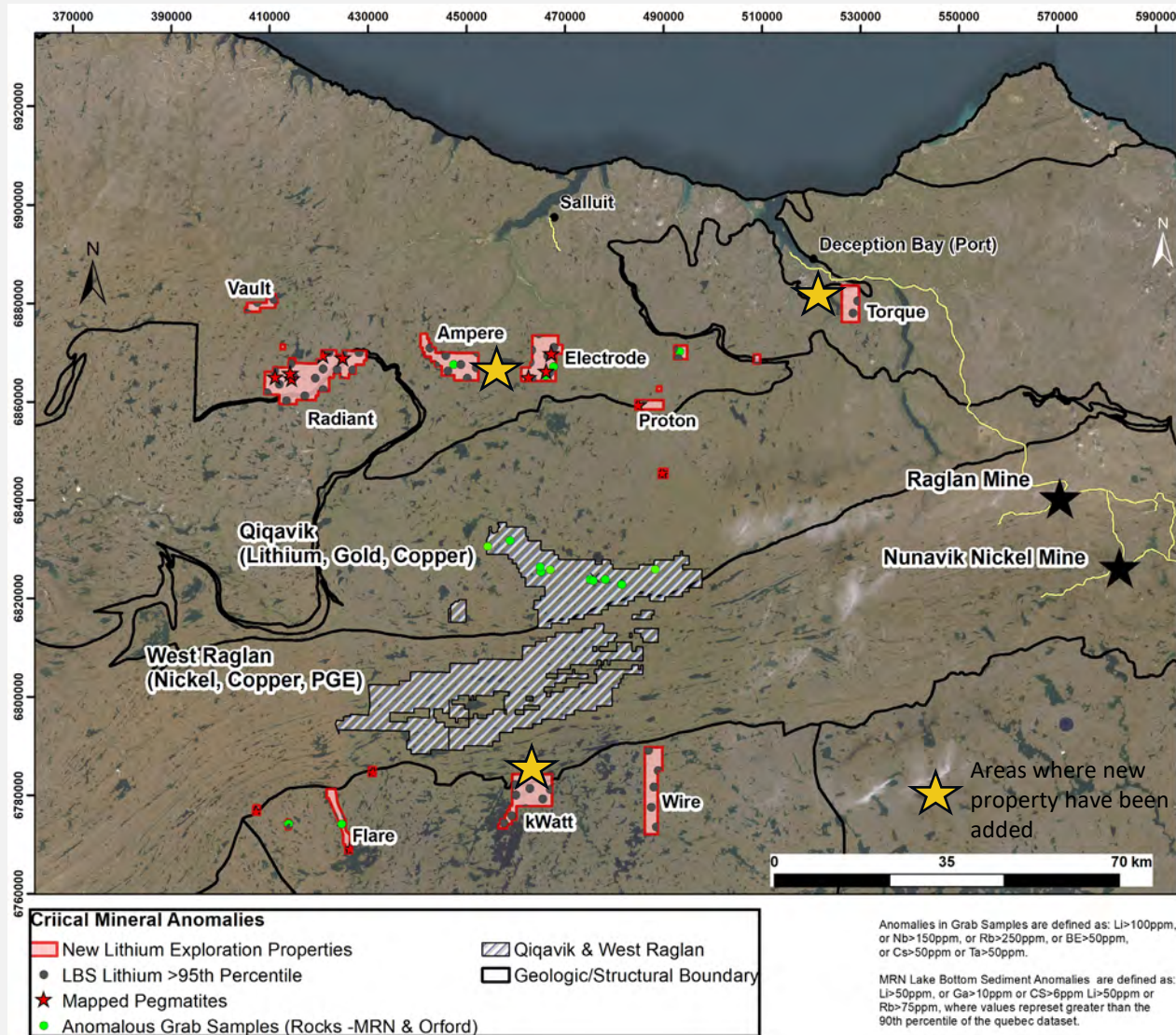
NUNAVIK REGION CRITICAL MINERALS EXPLORATION

Nunavik Lithium Project and West Raglan Nickel Project



LITHIUM POTENTIAL IN THE NUNAVIK, QUEBEC REGION

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

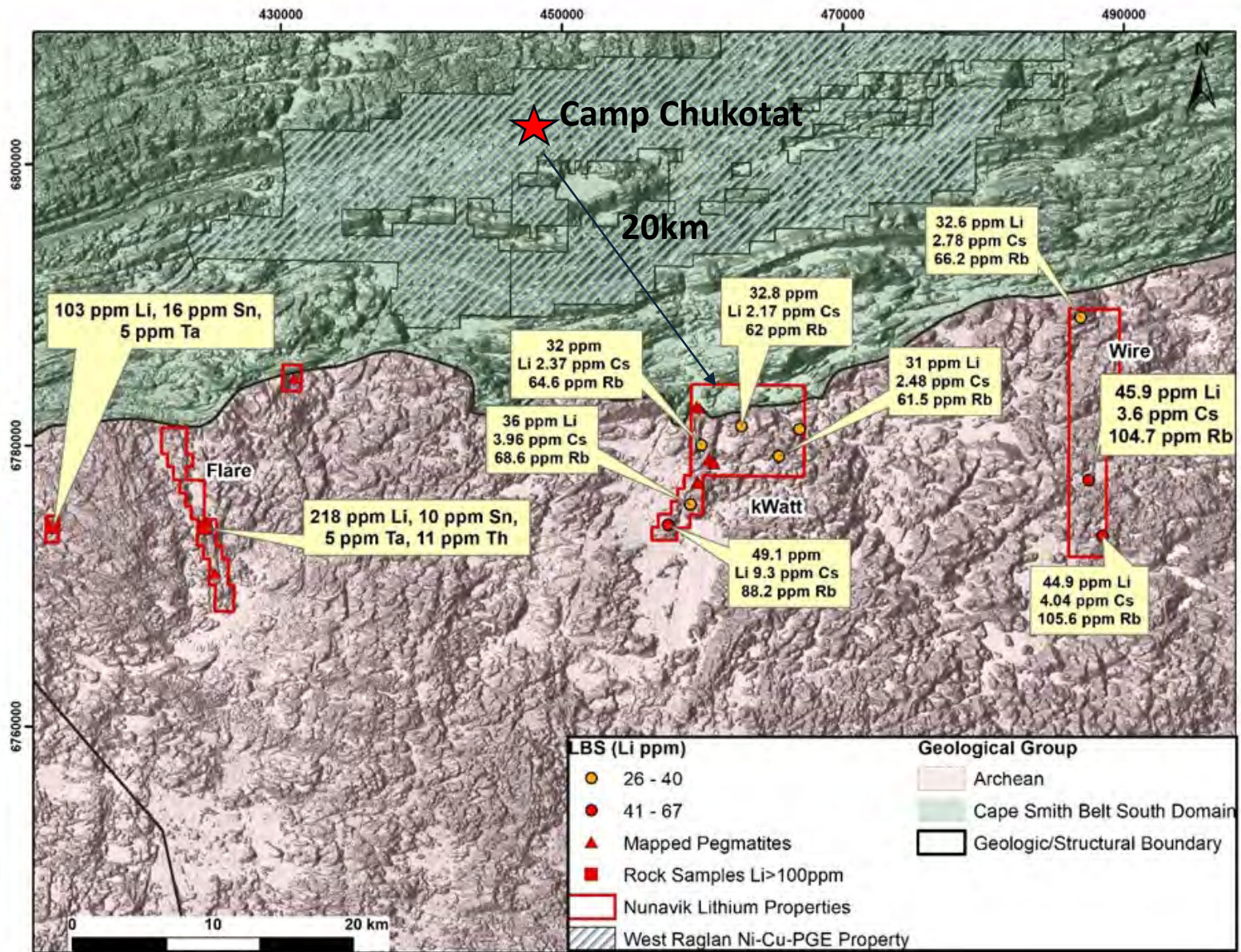


- Over 508 sq km staked for lithium ~ 7 x the size of the island of Manhattan and total regional property position now at 1,579 sq kms ~ 26 x the size of the island of Manhattan. **100% Owned NO ROYALTIES**
- New ground staked based on one or all of the following criteria (MRN data):
 - Mapped pegmatite
 - Lake bottom seds 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

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.



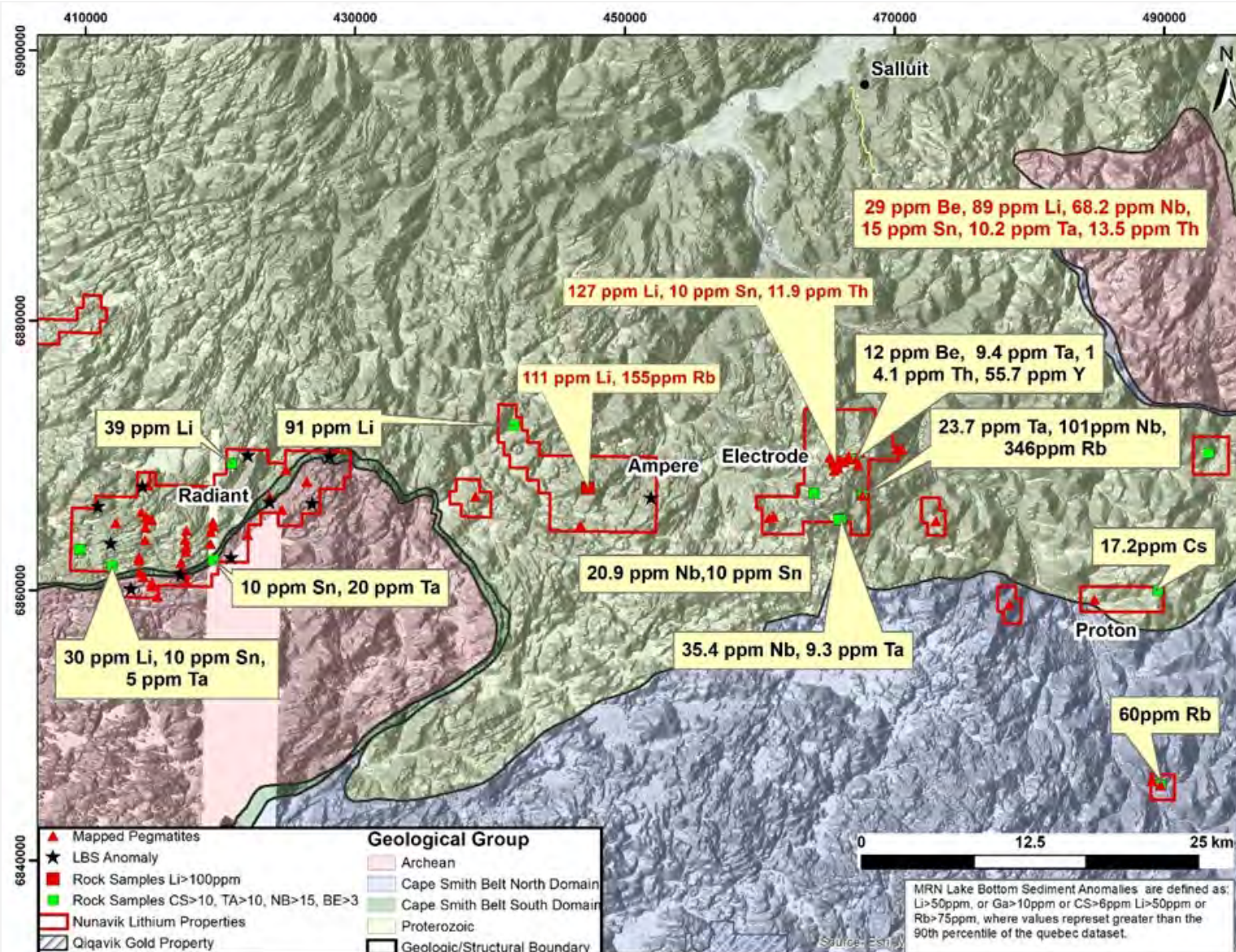
E5841524 (Right), Pegmatite grab samples from outcrop which fluoresces under blacklight (indicative of lithium bearing minerals)



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NUNAVIK LITHIUM PROJECT

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



Strong indicators of Lithium Bearing Pegmatites

We know we have

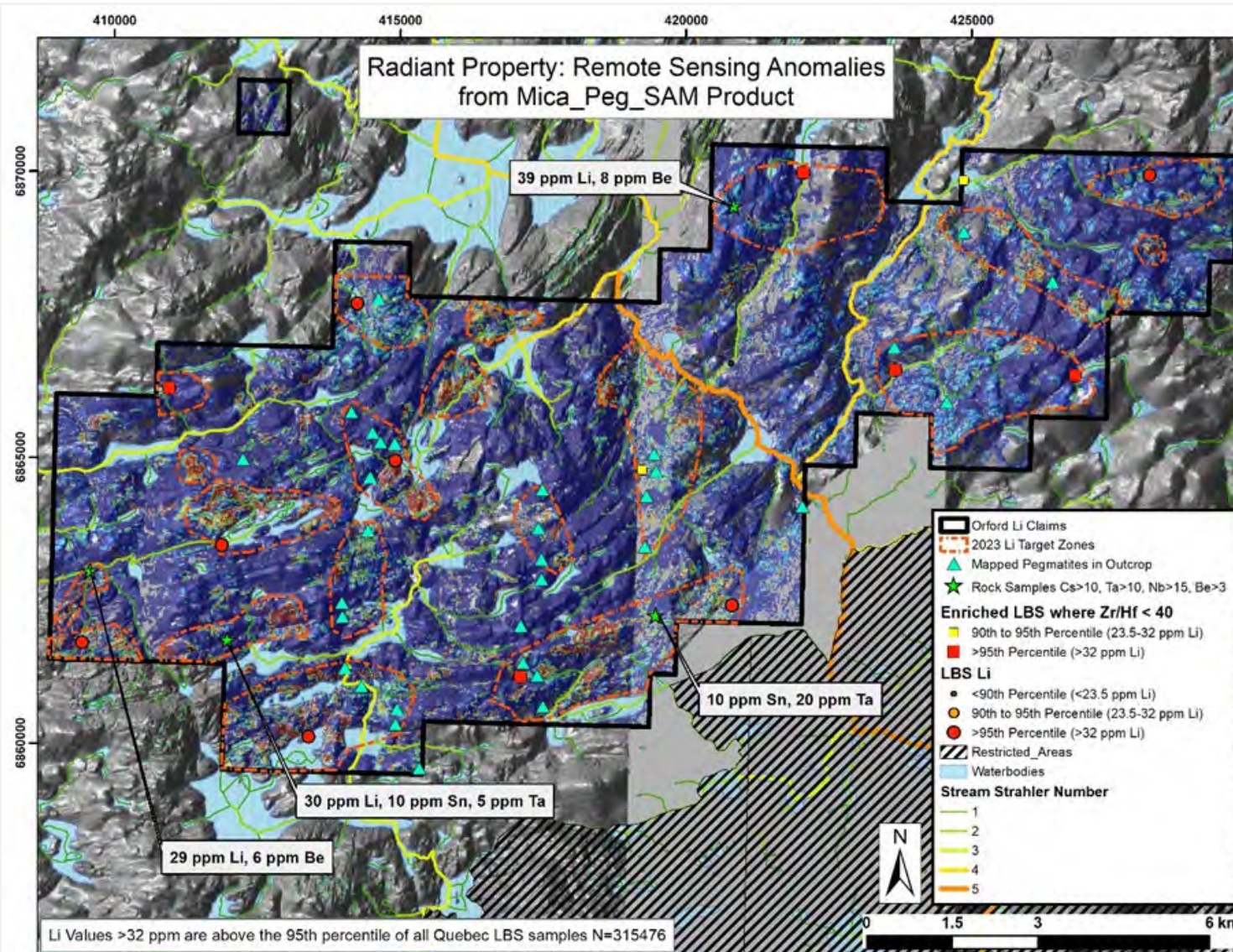
- Pegmatites
- Elevated lithium in gab samples
- >90th percentile lithium anomalies in Lake Bottom sediment samples
- Major geological boundaries

Exploration work began this week on the Northern Group

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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.

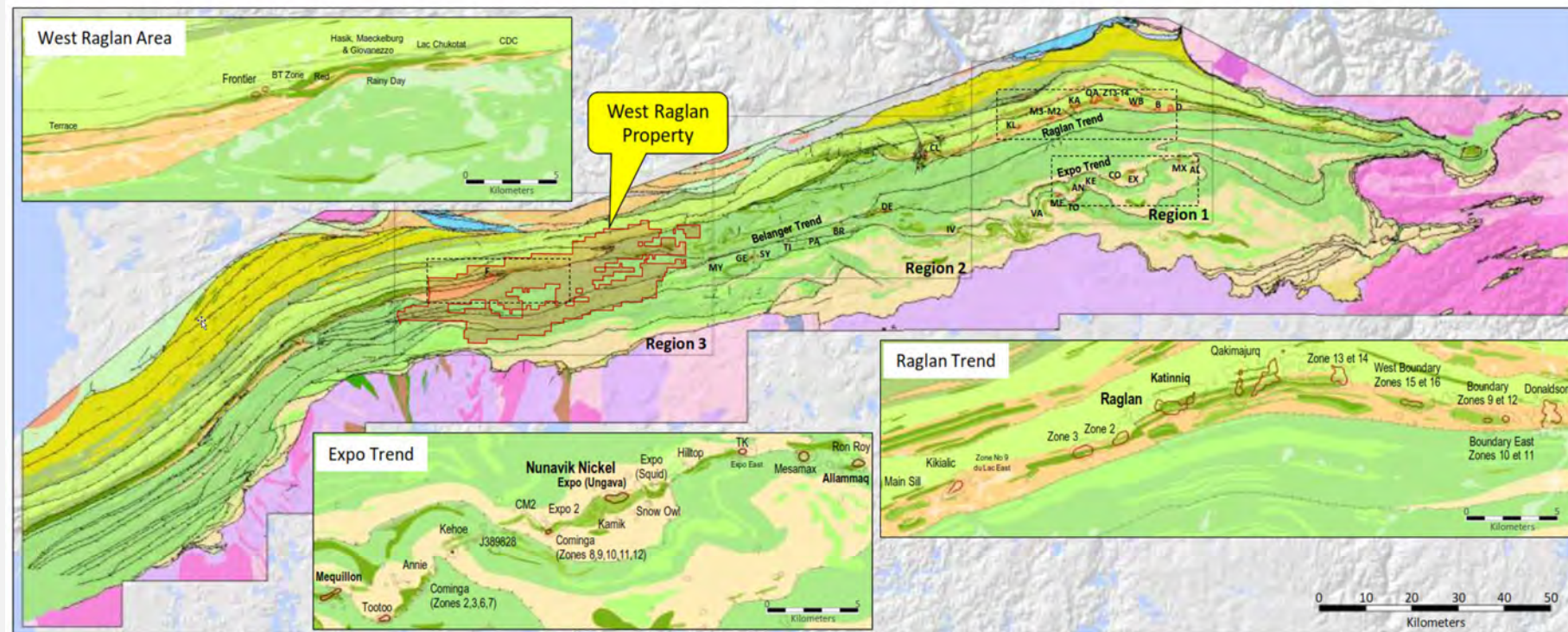
To-date over 50 high priority lithium pegmatite targets have been generated on the Nunavik Lithium Properties using the Remote Sensing data along with available government data.

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

Massive 713 km² property in a prolific, yet underexplored region in Quebec

- 51% Wyloo, 49% Orford Mining, advanced stage Ni-Cu-PGE exploration project covering nearly 707 km² 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% Co¹)
- 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.

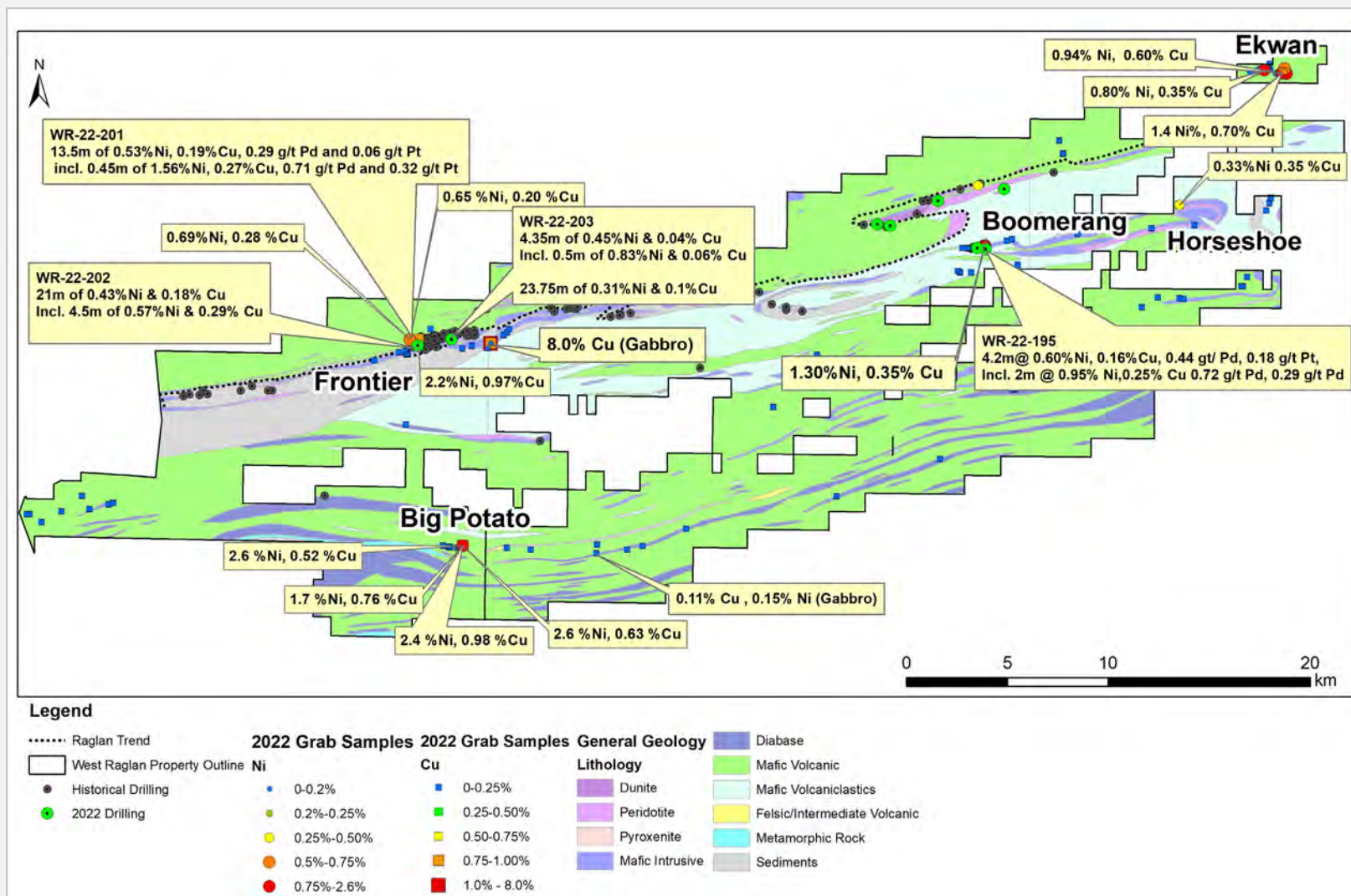


Regional geology of the Cape Smith Belt showing the location of significant Ni-Cu-PGE deposits and prospects, and the details of the various areas of interest illustrated in this study; namely the Raglan and Expo Trends (lower insets) and the West Raglan area (top left inset). Regions 1, 2 and 3 (grey rectangles) show the extent of additional figures illustrated in this report. Note that the location of deposits and prospects are based on the relative density of reported drill holes (https://gq.mines.gouv.qc.ca/documents/SIGEOM/TOUTQC/FRA/SHP/:SIGEOM_QC_Sondages_SHP.zip).

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

WEST RAGLAN NI/CU/PGM – 2022 WORK

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



Historically work was focused on the North (Raglan Trend)

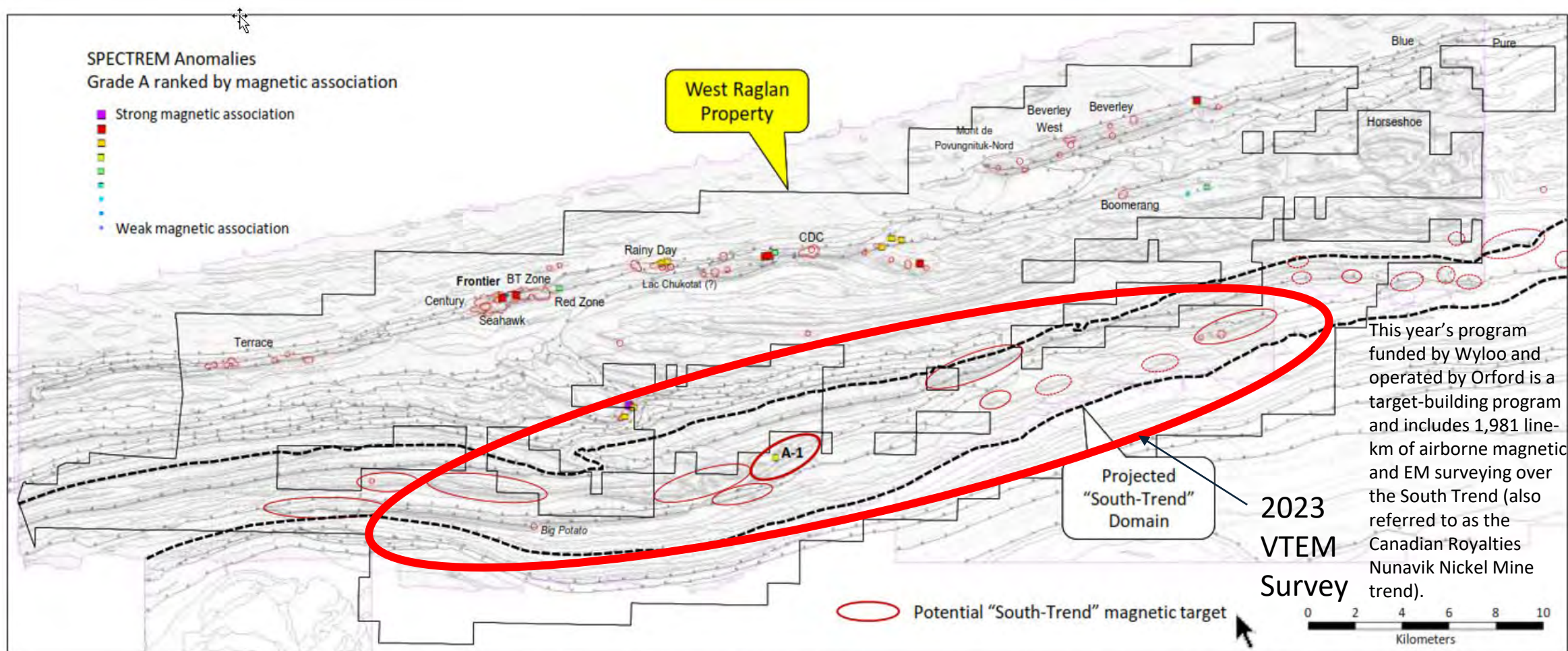
While there is still a lot of potential as shown with the 2022 drill results.

The southern trend, comparable in geology & stratigraphy to the Belanger or Expo trends are virtually unexplored

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 – Target Generation



West Raglan area showing 2023 litho-structural interpretation with SPECTREM electromagnetic anomalies (Grade A ranked by magnetic association).

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



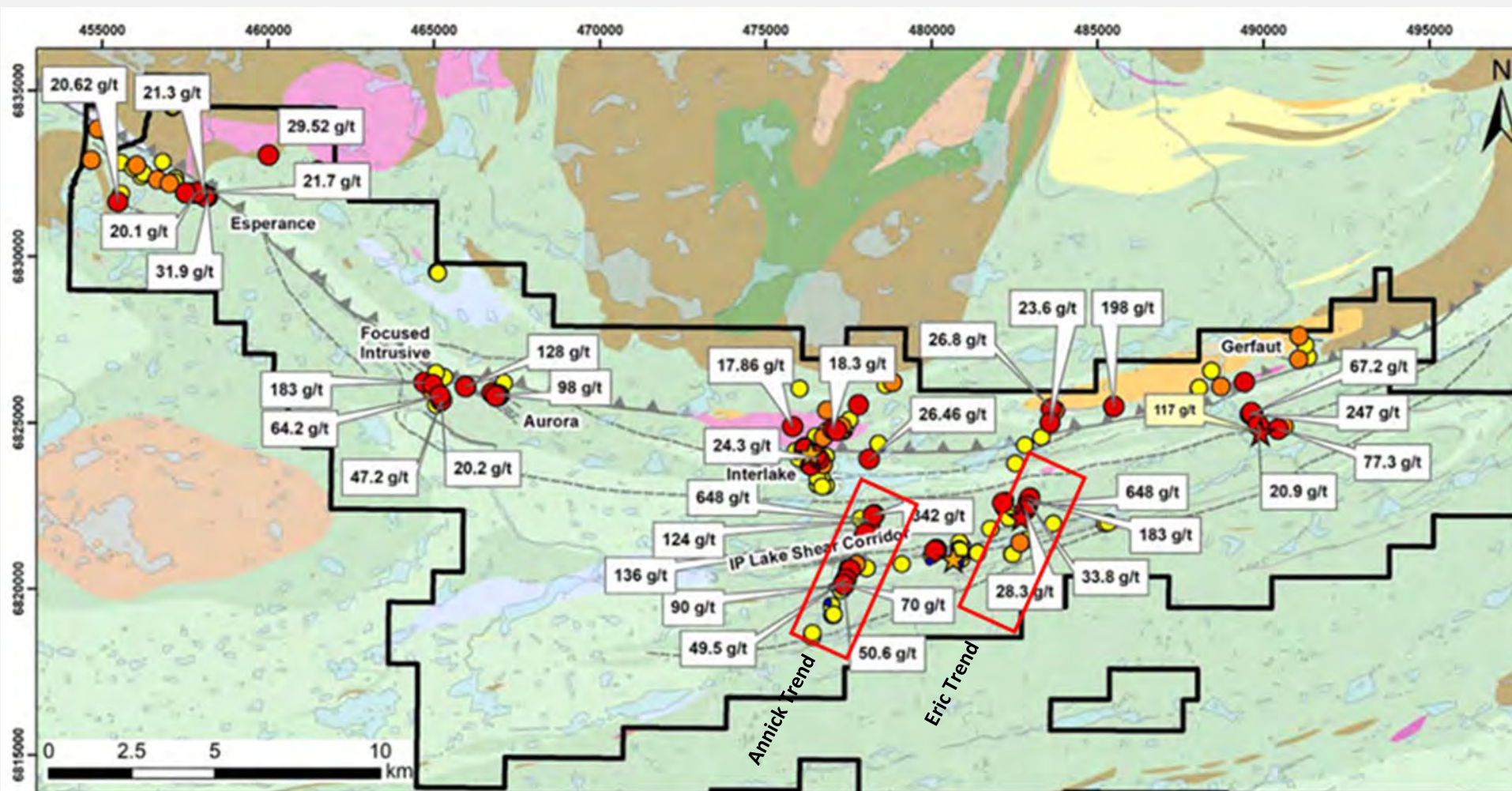
QIQAVIK GOLD PROJECT

Nunavik Region



QIQAVIK GOLD PROJECT

High grade gold surface showings are prolific across the +40 km long property and focus of 2023 RAB Drilling



- Previous work has identified no shortage of gold showings on the camp scale Qiqavik property
- 2022 Work (Structural Interpretation and Quaternary Geology) suggest proximal and possibly underlying structures.
- 2023 Work will focus on further delineating with Mapping, Geophysics and testing (RAB), the Annick trend and other similar high grade Au trends.

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

QIQAVIK TARGETING

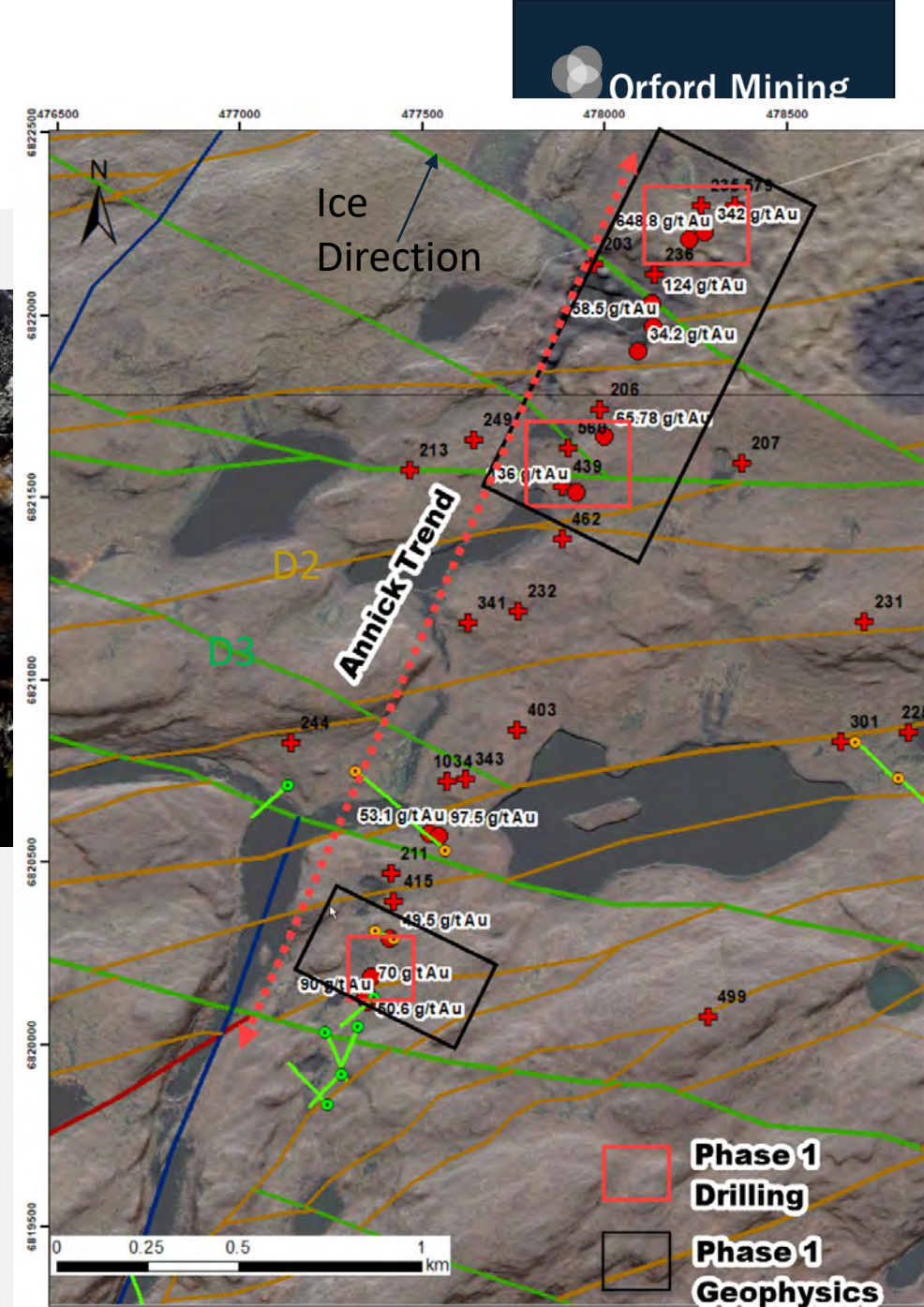
Annick Trend Style Mineralization



Metric Size Smoky Quartz Boulders (Angular) with varying amounts of sulphides (Sphalerite, Galena, Pyrite and VG) in clusters along a 4km Trend

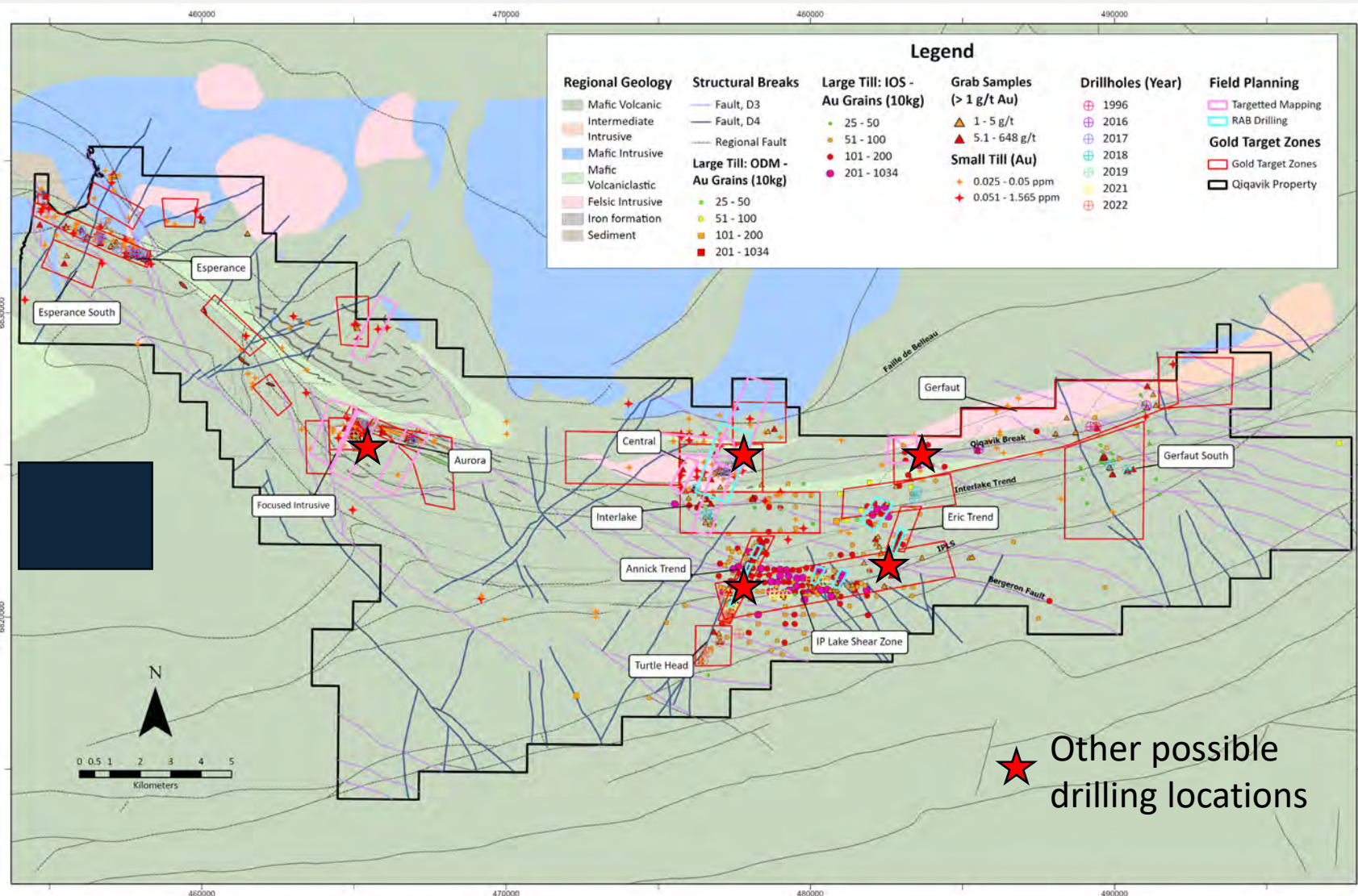
Targeting: Intersections of North West D3 Structures and North East Structures coincident with high grade gold samples will be the priority targets in the 2023 RAB Drilling program

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



QIQAVIK STRUCTURAL/GLACIAL TARGETING

Strong North East and North West structures intersections coincident with high-grade for 2023 RAB drill targets



Intersections of North West D3 Structures and North East Structures coincident with high grade gold samples will be the priority targets in the 2023 RAB Drilling program



- Camp scale property with multiple projects in one
- Currently Drilling on the Annick Trend, averaging one 100m hole per day.
- 1150 m of drilling over 17days

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

QIQAVIK TARGETING

CAMP SCALE POTENTIAL

- Camp Scale Potential with potential for multiple deposits, and multiple timing and mineral assemblages
- Less than 12 months on the ground to date
- Our Expert Geo Teams Continue to find new occurrences



New Series of Quartz Boulders from Eastern Part of the Property, quartz with pyrite and galena. Will continue to develop areas like this one (and others) into potential RAB targets, using geology and geophysics. Assays outstanding.



Example of RAB chips



Photo of RAB Drill from the North Annick Trend

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



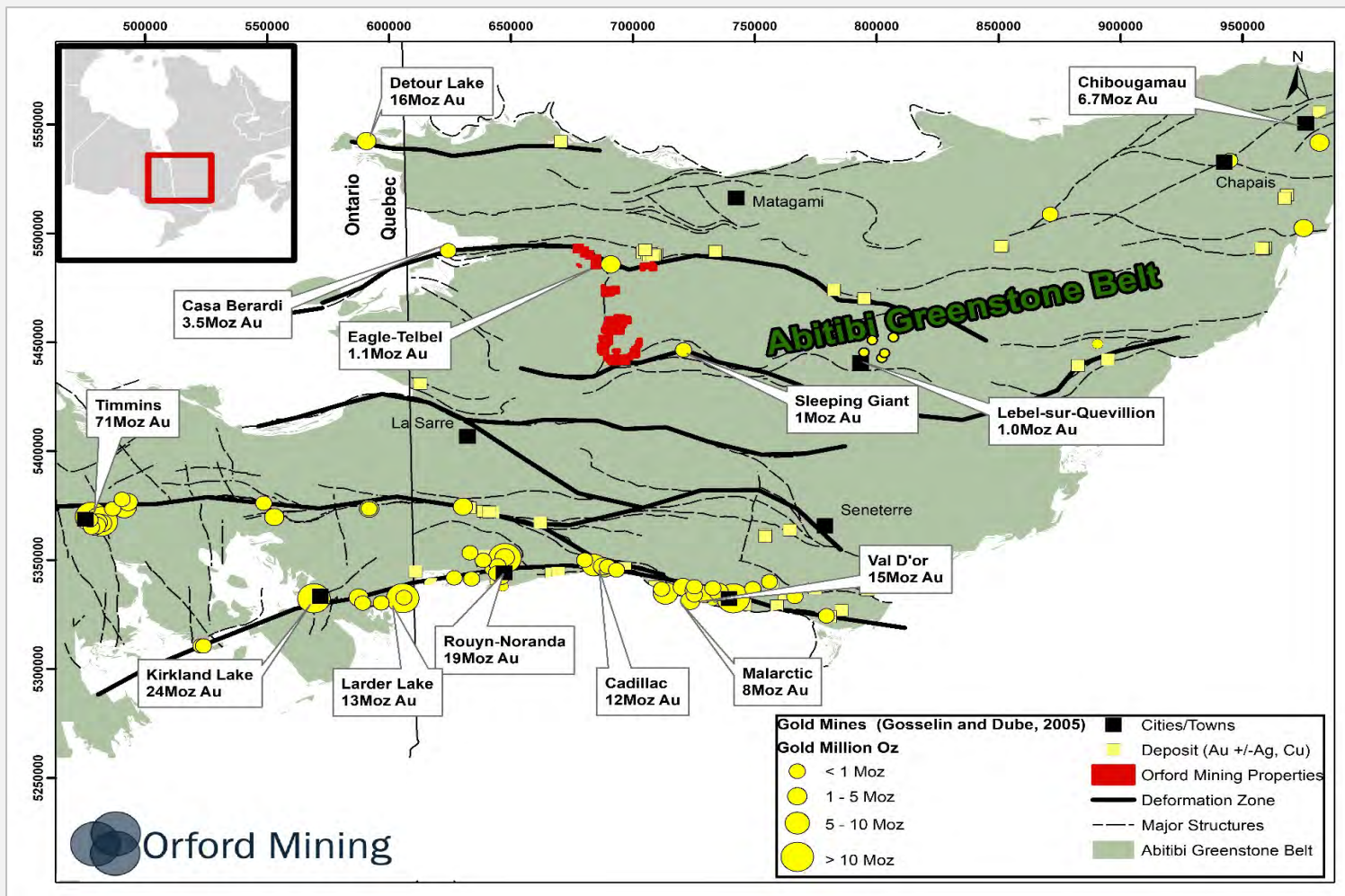
GOLD EXPLORATION IN THE ABITIBI

Joutel District Gold Projects



ORFORD HOLDS LARGE GOLD PROPERTY POSITION IN THE ABITIBI

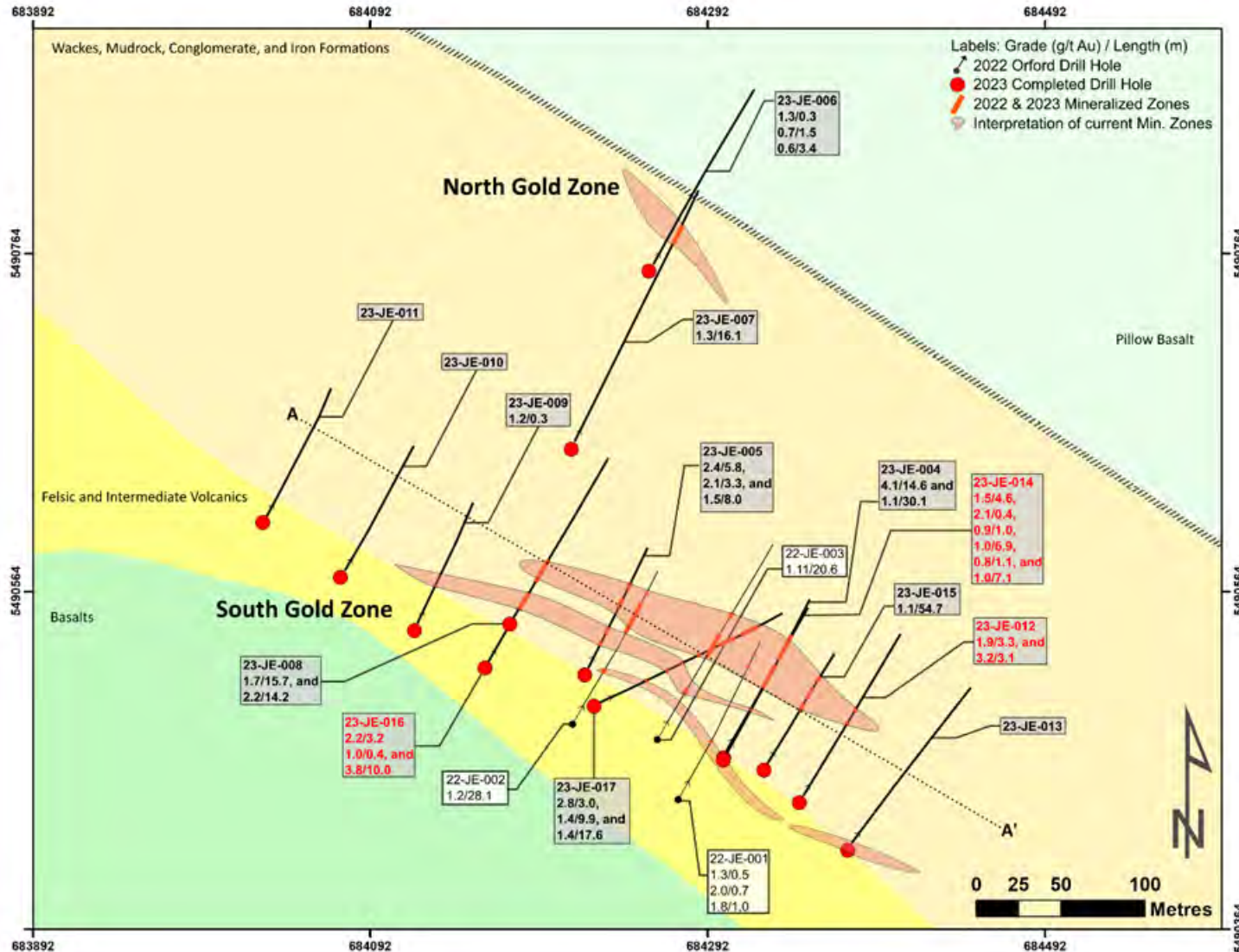
Four properties totalling 260 sq kms in the heart of the Abitibi – vastly under-explored



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

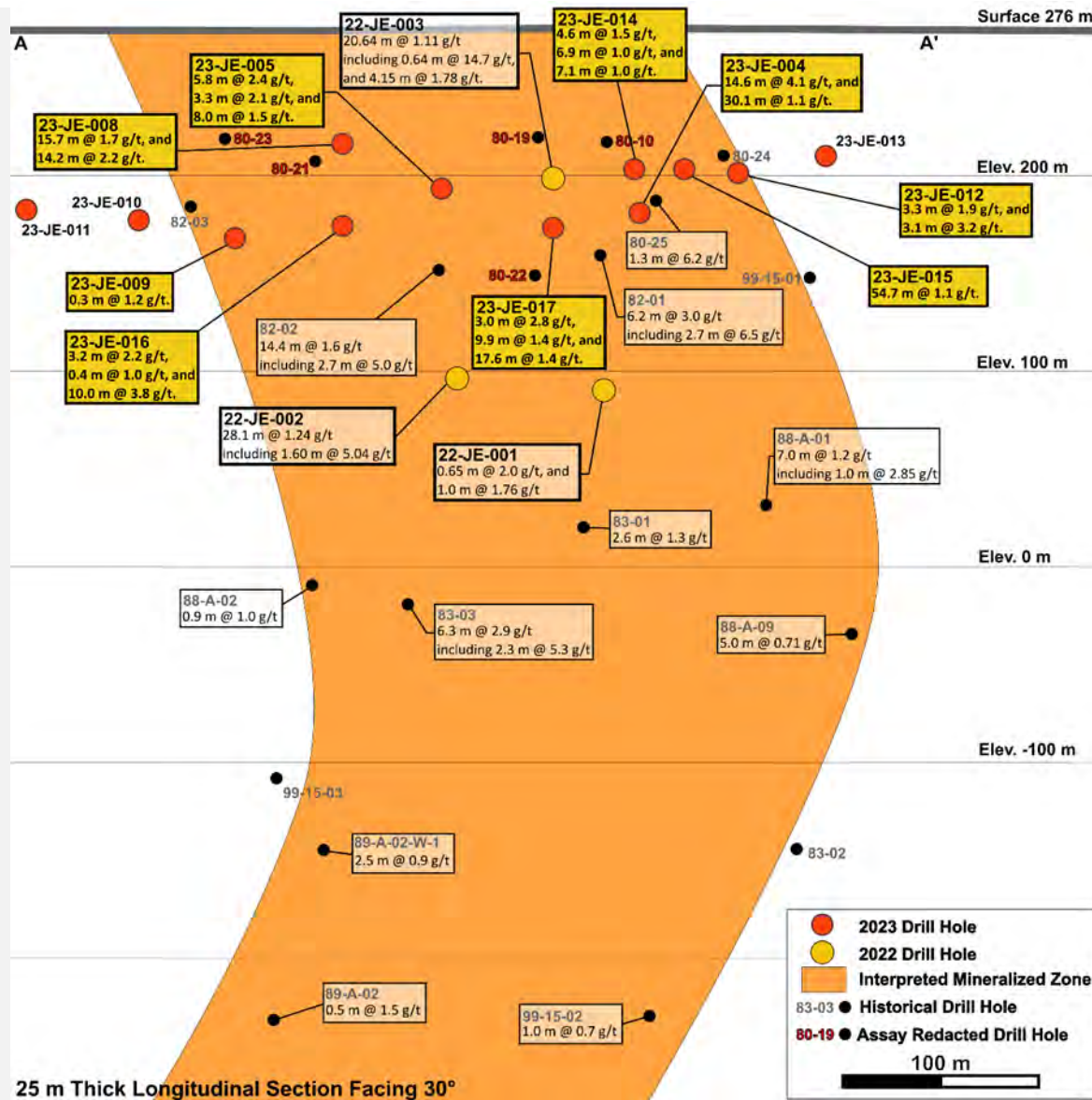


- **23-JE-004:** Grades of up to 28.7 g/t gold over 0.32 metres included in an interval of 4.1 g/t gold over 14.6 metres
- **23-JE-005:** Grades of up to 1.5 g/t over 8.3, or 2.4 g/t over 5.8 metres including 27.7 g/t over 0.4 m
- **23-JE-008** has reported two thick intersections of gold mineralization: 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. Composited intervals are reported at a cut-off of 0.5g/t Au.

JOUTEL EAGLE GOLD PROJECT

Long Section showing 2023 results



- 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 (Table 1).
 - Newly received assay results (Table 1) include **3.8 g/t Au over 10.0 m** from 108.0 m to 118.0 m in hole in 23-JE-016.

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 bring the South Gold zone towards a resource

Strong strategic investor support

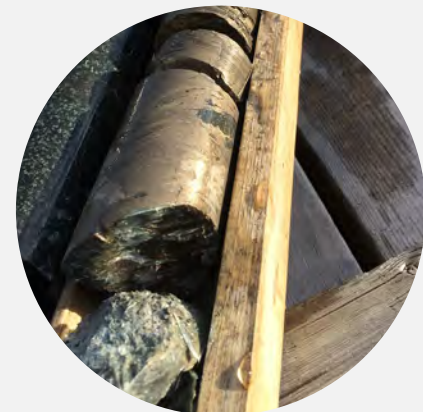
Massive land position in two underexplored gold districts with great prospectivity

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 about **\$6 million** spent including earn in expenditures by Wyloo on the West Raglan Ni-Cu-PGM Property





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THANK YOU



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