

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



TARGETED GOLD AND NICKEL EXPLORATION

Corporate Presentation

26 January 2023



DISCLAIMER

Cautionary Statement Concerning Forward-Looking Statements

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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.

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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 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.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. 1,400 sq kms
of prospective land in six
properties in Quebec Canada with
6,000 metres drilled in 2022

Qiqavik

Gold/Copper

- 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

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.

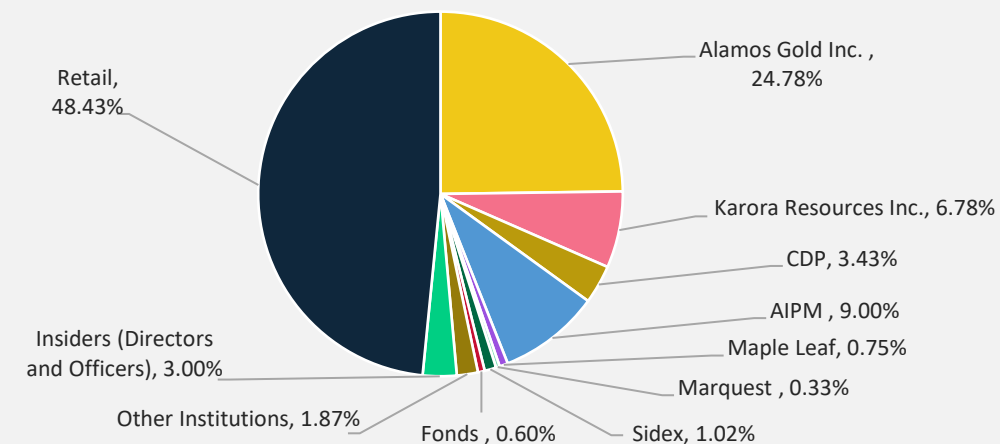
CORPORATE SNAPSHOT

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

Capital Structure

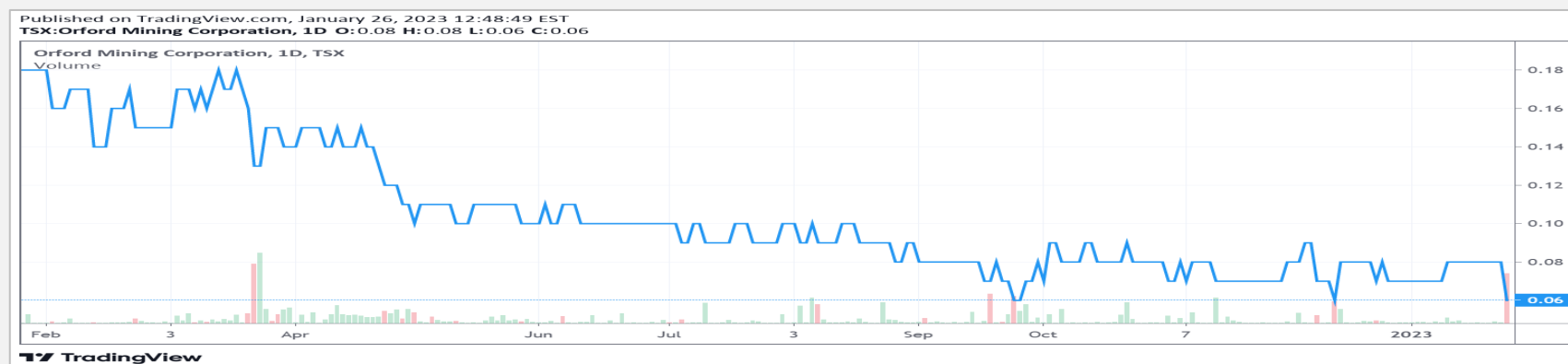
Ticker	TSXV:ORM
Share Price (as of January 25, 2023)	C\$0.06
Basic Shares Outstanding ¹	165.96M
Options (@ average \$0.18 strike)	12.78M
Warrants (@ average \$ 0.21 strike)	35.38M
Fully Diluted Shares Outstanding	205.07M
Market Capitalization (Basic)	C\$9.96M
Cash (October 31, 2022)	C\$3.29M

Share Ownership



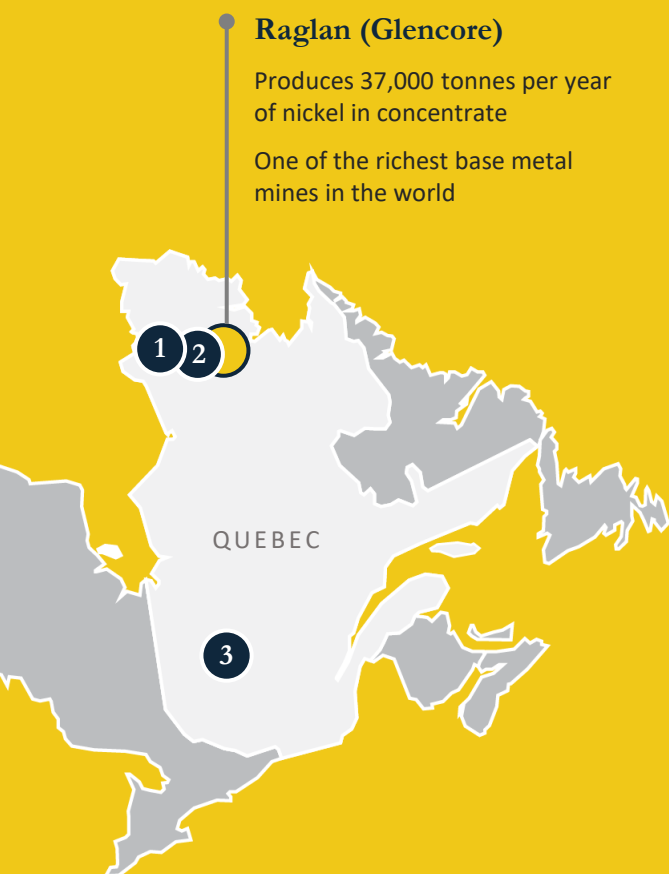
TSX-V

(January 26, 2023)



PROJECT PORTFOLIO – LARGE REGIONAL PROPERTIES

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



1,108 km² land position in the highly prospective and underexplored Cape Smith Belt and 260 km² 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) (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 km² 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 244 Mlbs of copper, 116Mlbs of Zinc and 52Mlbs of silver¹

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 géomineière 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
- Current 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

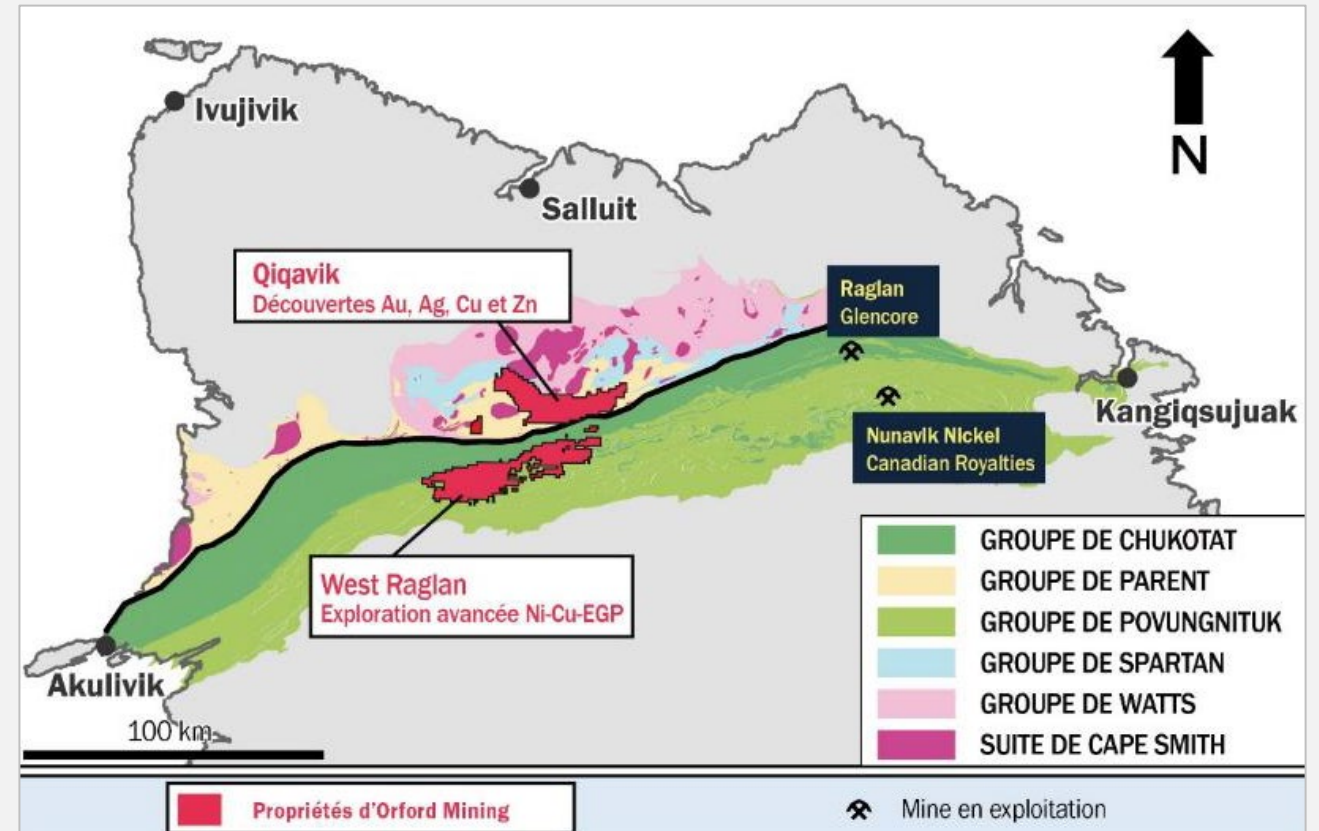
- Monique is the Practice Lead, Capital Markets and Securities for Practical Law Canada at Thomson Reuters. Previously with Fogler, Rubinoff LLP, a full service law firm in in Toronto where she practiced for 22 years in the business law dept.
- Chair of the Board of the Dancer Transition Resource Centre.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

QIQAVIK GOLD PROJECT

Large, Highly Prospective Land Package in an Underexplored Emerging Gold District

40-km long Qiqavik property remains largely unexplored with potential for multiple large gold deposits

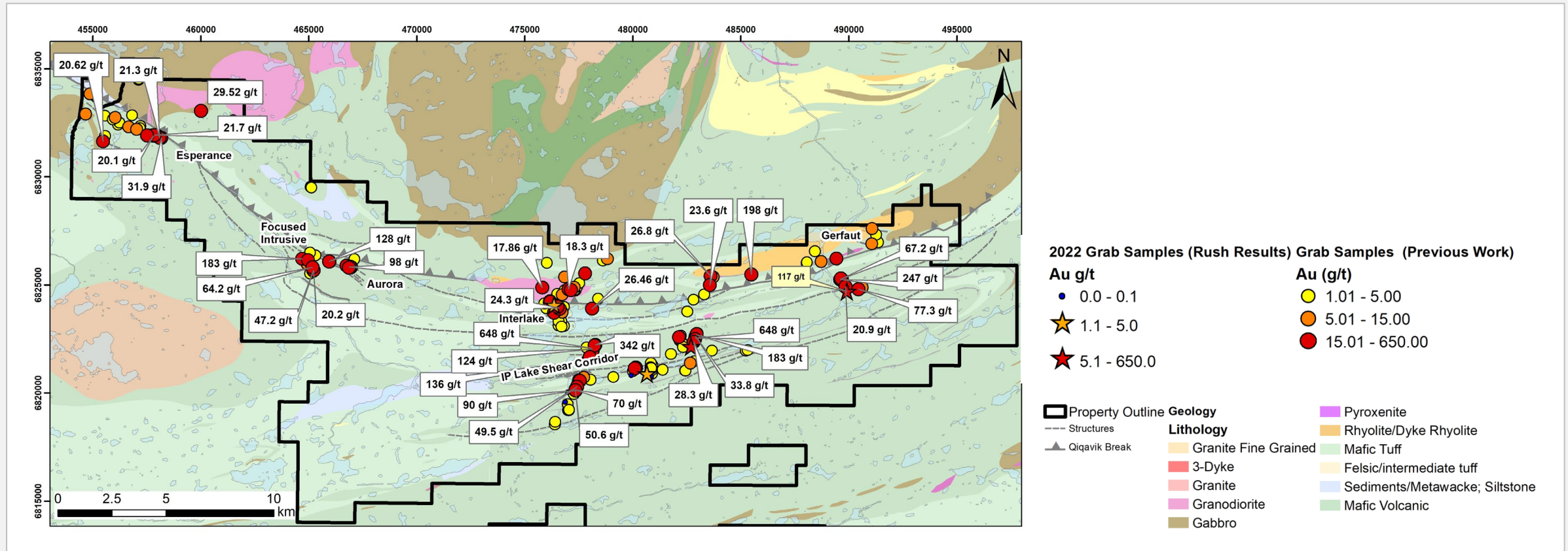
- 100% interest in ~402 km² property
- The northern volcano-sedimentary portion of the Belt remains virtually unexplored
- Gold districts with similar tectonic and age setting to the Cape Smith Belt include¹:
 - Flin Flon/Snow Lake, Canada
 - Ashanti Belt, West Africa
 - Tanami Goldfields, West Australia
 - Tapajos-Parima Belt, Brazil
- More than 12 distinct areas of mineralization seen across the property, many have not seen follow-up exploration or drilling



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

QIQAVIK GOLD PROJECT

High grade gold surface showings are prolific across the +40 km long property



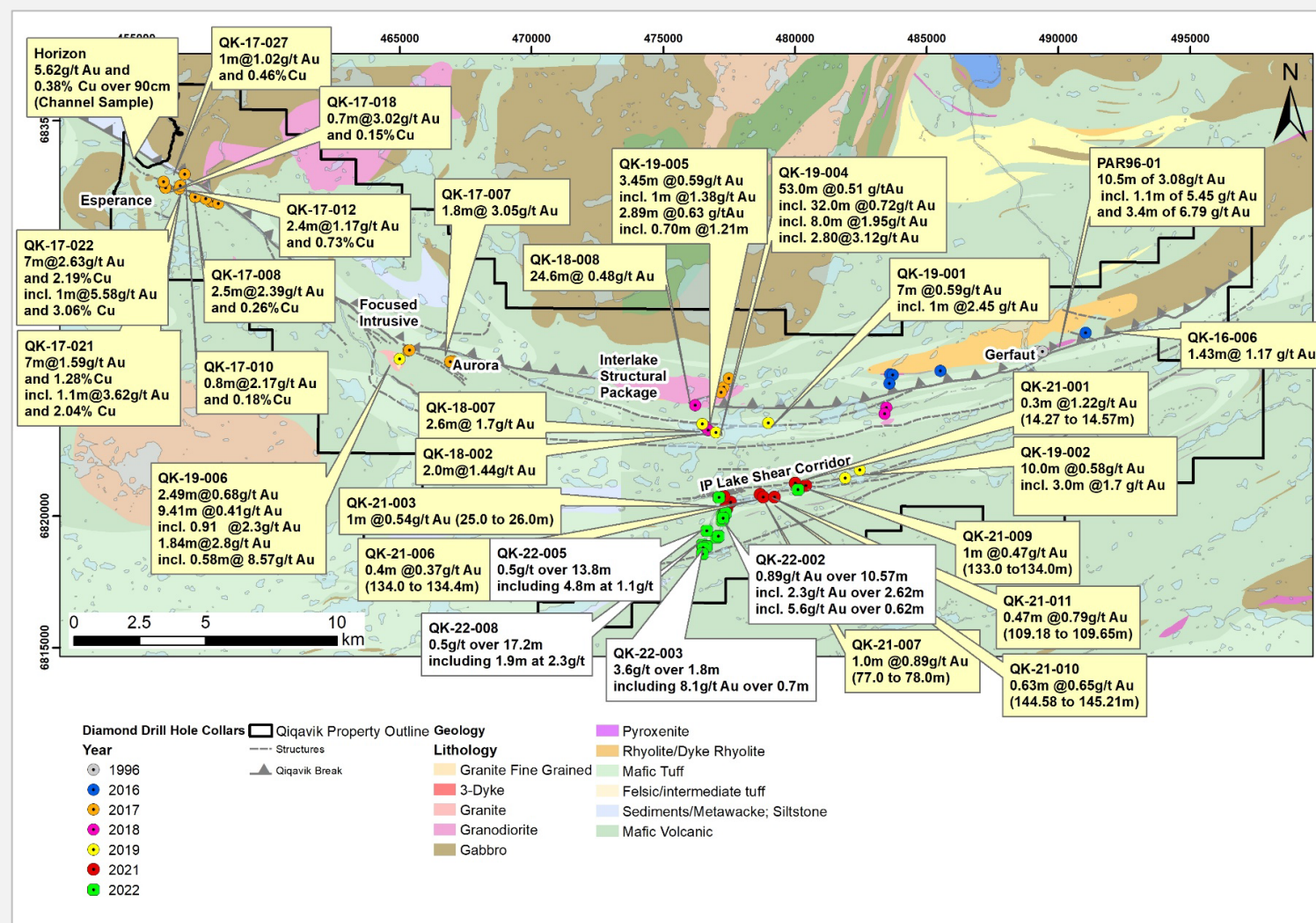
Note that grab samples are selective by nature and values reported may not be representative of mineralized zones

QIQAVIK GOLD PROJECT – DIAMOND DRILLING PROPERTY WIDE

Gold Mineralization is widespread across the large property in different geological environments

- The 2022 drill program included 14 drill holes and 2,720 metres for a total of 10,948 metres in 70 holes over the 402 sq kilometre property which was increased by 5 sq kilometres this summer to cover the western extension of the Bergeron fault.
- Important to remember there is no historic work other than the two Falconbridge holes searching for nickel and hitting gold.
- The 2022 results returned significant gold mineralization in a Quartz carbonate veining system south of the IP Lake Structural zone up to the Bergeron Fault with results of up to 8.1 g/t gold over 0.7 metres.

Note that all Drilling intervals are down – hole lengths. True Thicknesses cannot be estimated with available information.



ANNICK BOULDER TRAIN – SEARCH FOR THE SOURCE

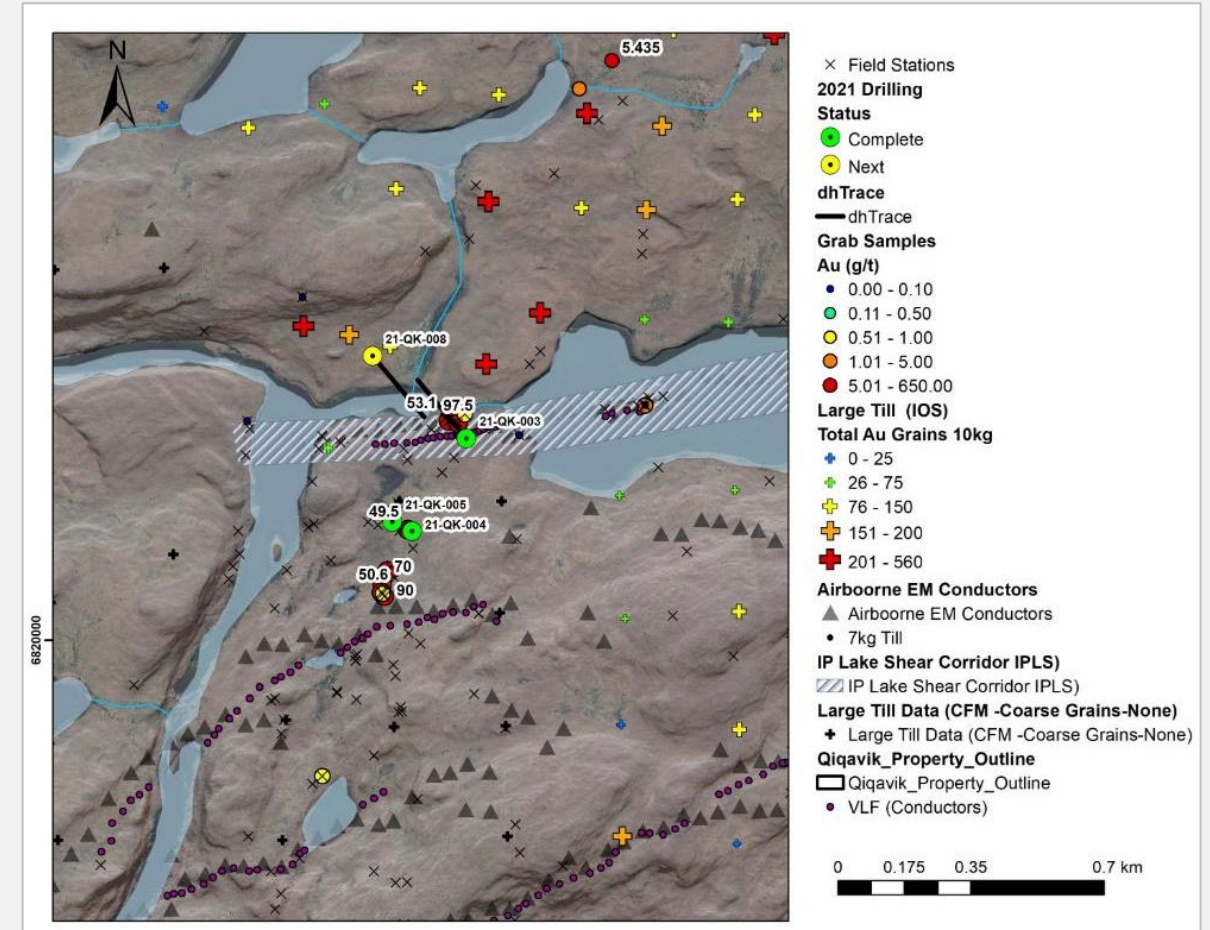
Geological mapping, Magnetics, IP survey, VLF survey and till sampling all used to help target the potential source

Sample 167041, example of the Annick Style Samples:

Grey quartz – iron Carbonate with veins of massive pyrite and arsenopyrite.
Sample reported 49.5g/t Au , found 200 metres south of the IPLS

With grades of up to 648 g/t Au along the Annick boulder train it is a major conduit of gold bearing fluids resulting in spectacular gold mineralization.

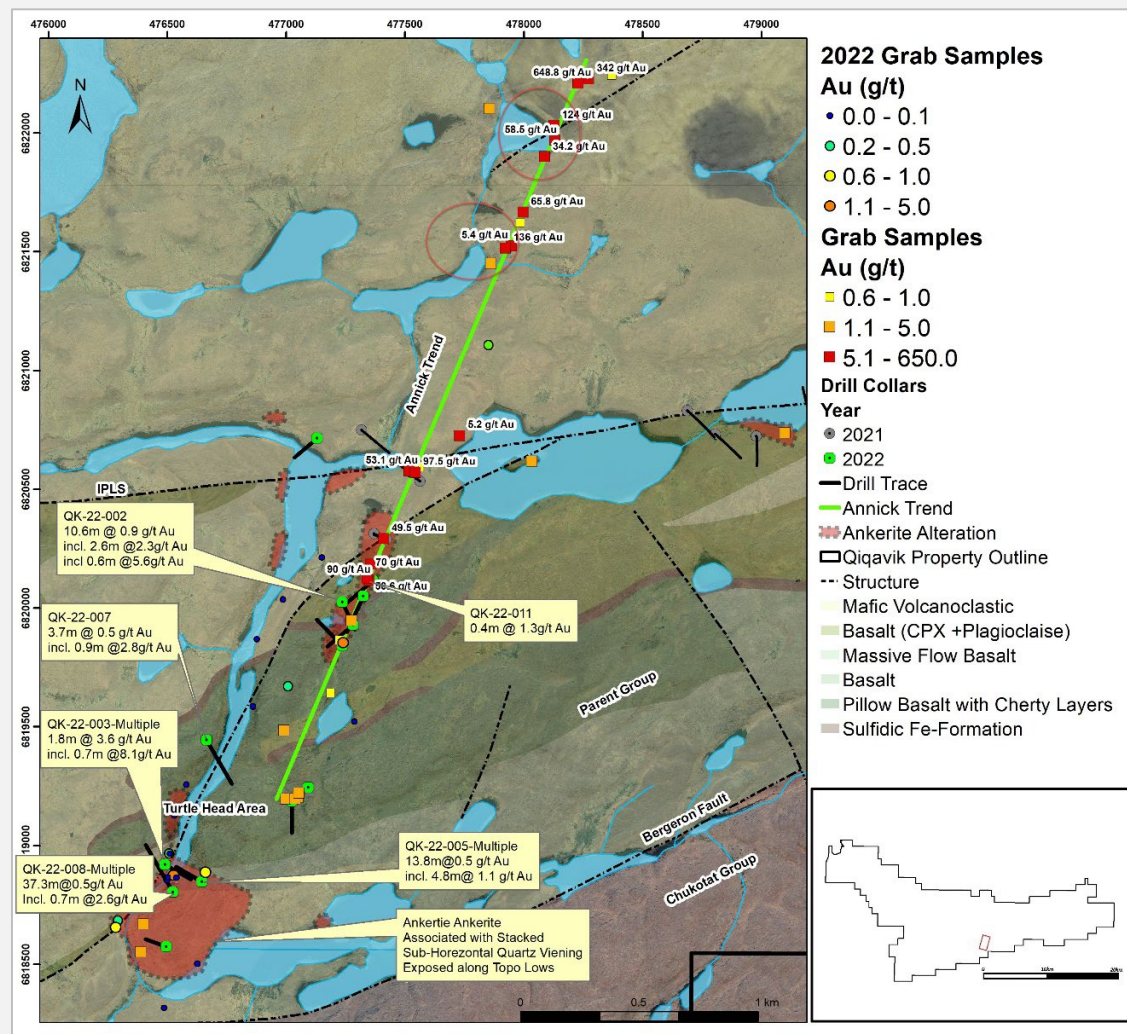
Drilled holes 4 and 5 drilled under pit of 2 m x 2m sized Annick material from east and west but did not hit the vein.



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

QIQAVIK 2022 DRILLING - NEW GOLD BEARING VEIN SYSTEM

The 2022 program was successful in uncovering a gold bearing Quartz-Iron Carbonate-Sulphide alteration system

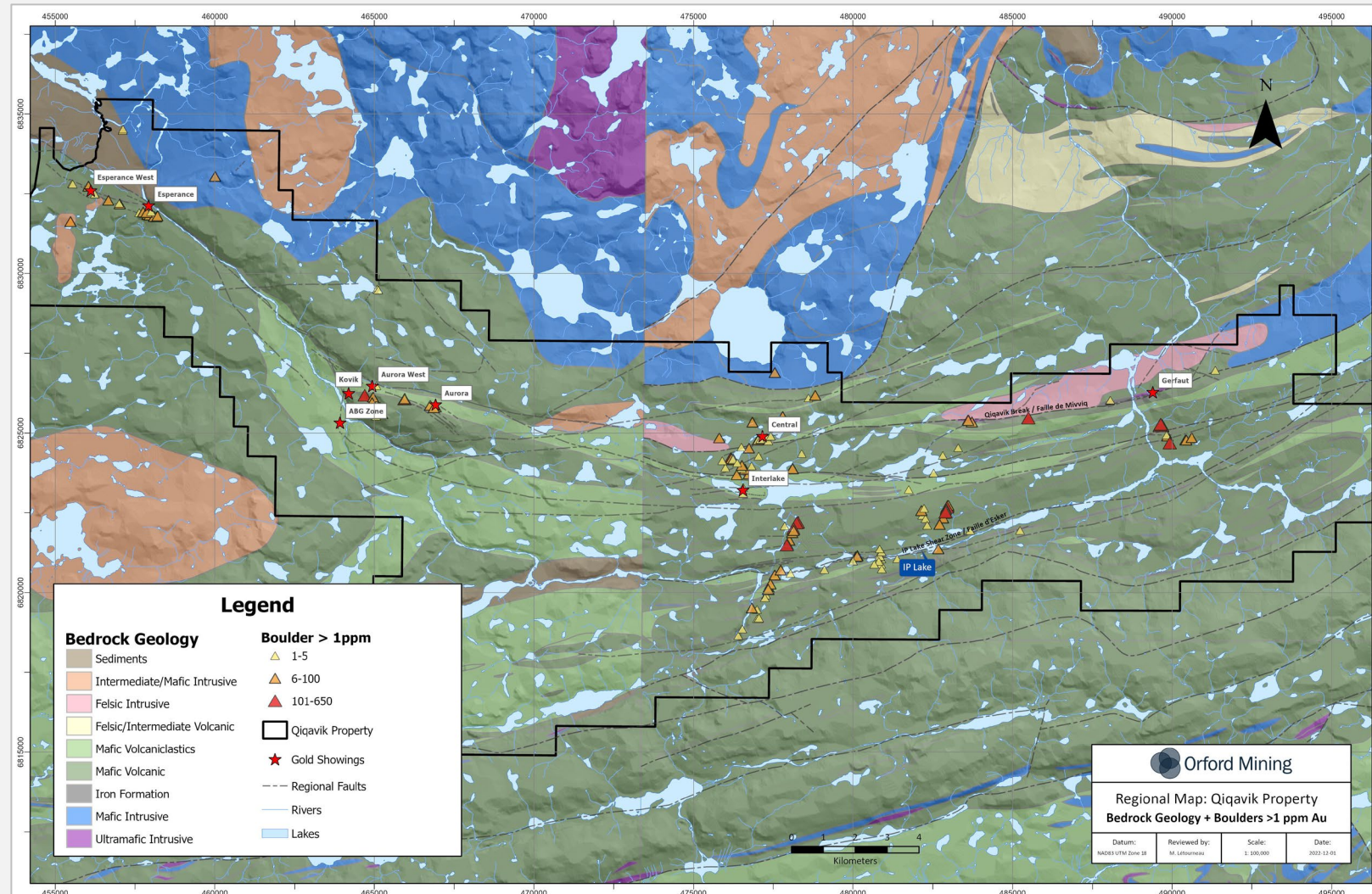


- Drilled 14 holes, 5 holes were drilled in search of the Annick boulder train source (2,4,9,11,13), and the additional holes (3, 5, 8, 14,) showed that the system may be more extensive with similar mineralization elsewhere.
- Orford has discovered several Quartz – Iron Carbonate sulphide alteration zones with sulphides over a 2 km north-south strike length.
- They appear to have a shallow dip and extensive north-south, and likely have been impacted by some later extensional structural events.
- We believe we are in the system that produced the high-grade Annick boulders because the characterization of the mineralization and quartz–iron carbonate but not the exact same source of mineralization.
- For 2023 we will use new glacial interpretation on our till sample results and boulder dispersion trains. This new interpretation will be used to target sources very close to high grade boulder results and high gold grain in till counts along north-east trending structures.
- We will utilize a RAB style drill with Diamond drill follow up, to allow for a larger number of drill hole tests of the many high grade gold targets on the property.

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

EXTREME HIGH-GRADE BOULDER TRAINS

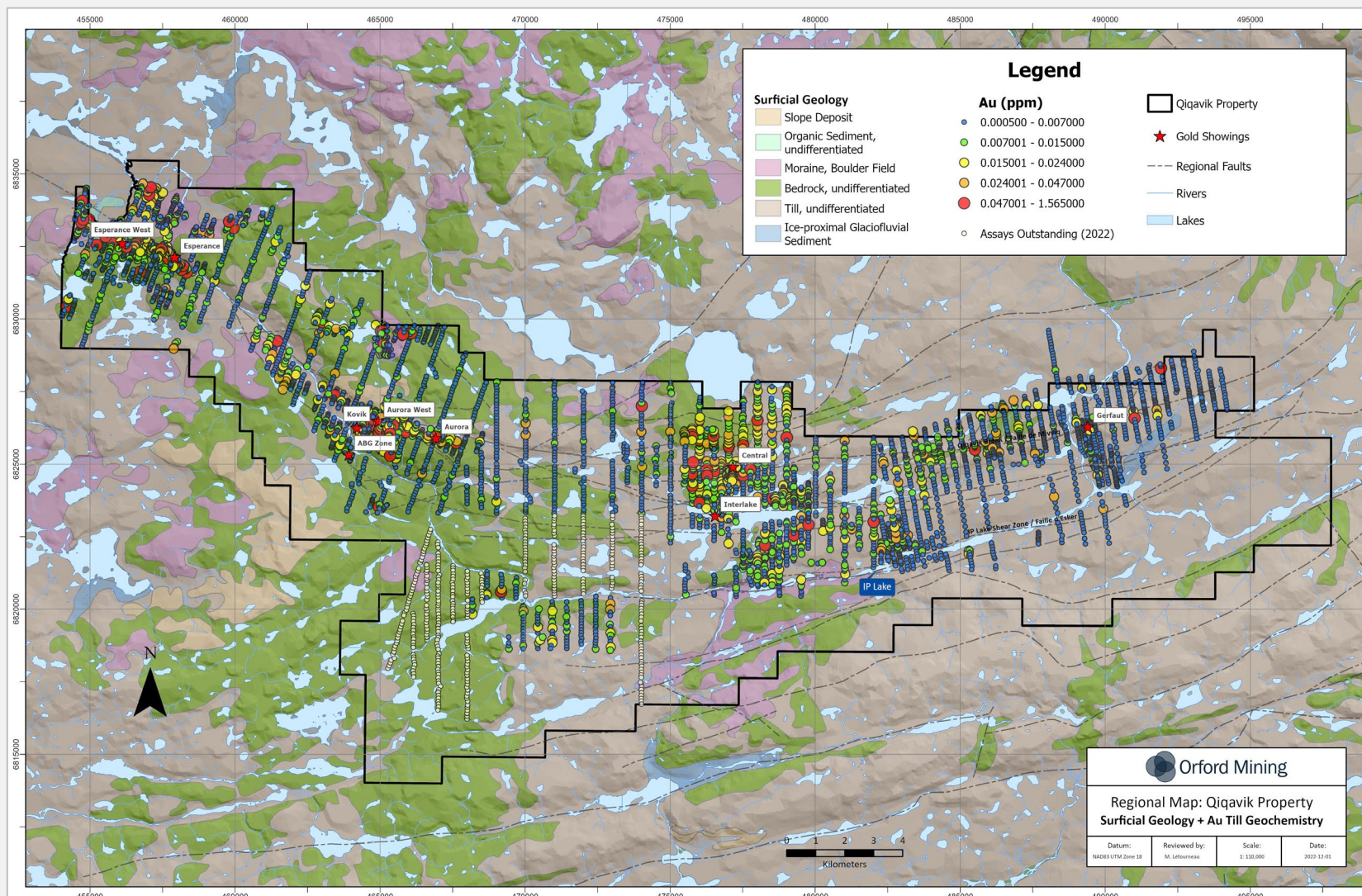
Likely many sources to explain the many km length of these trains



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

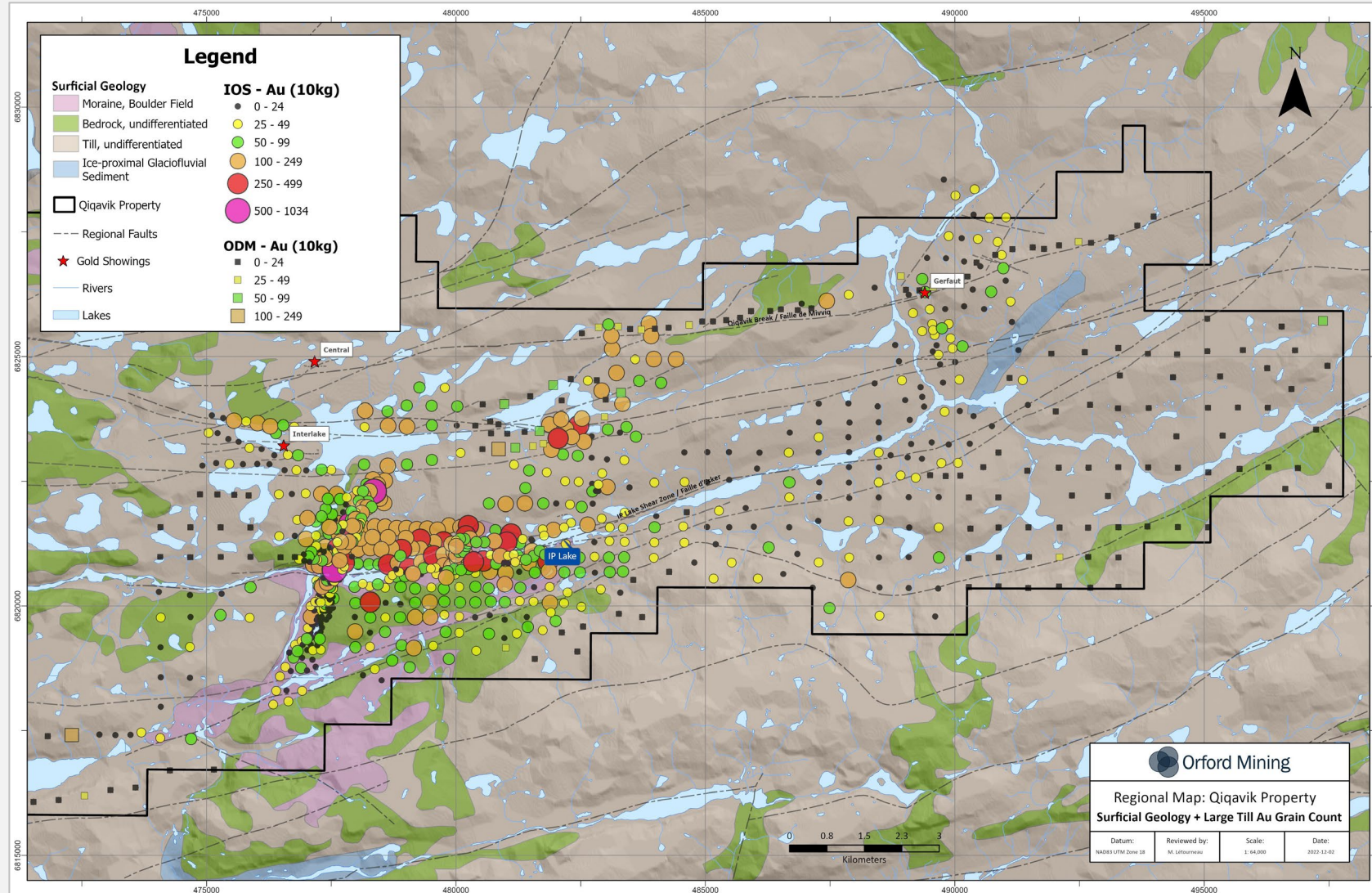
GOLD IN TILL ANOMALIES ACROSS THE PROPERTY IN PPM

A Number of Strong Anomalous Sectors for Further Follow - Up



THE ANNICK – IP LAKE – INTERLAKE AREAS

The Best Gold in Till Anomalies



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

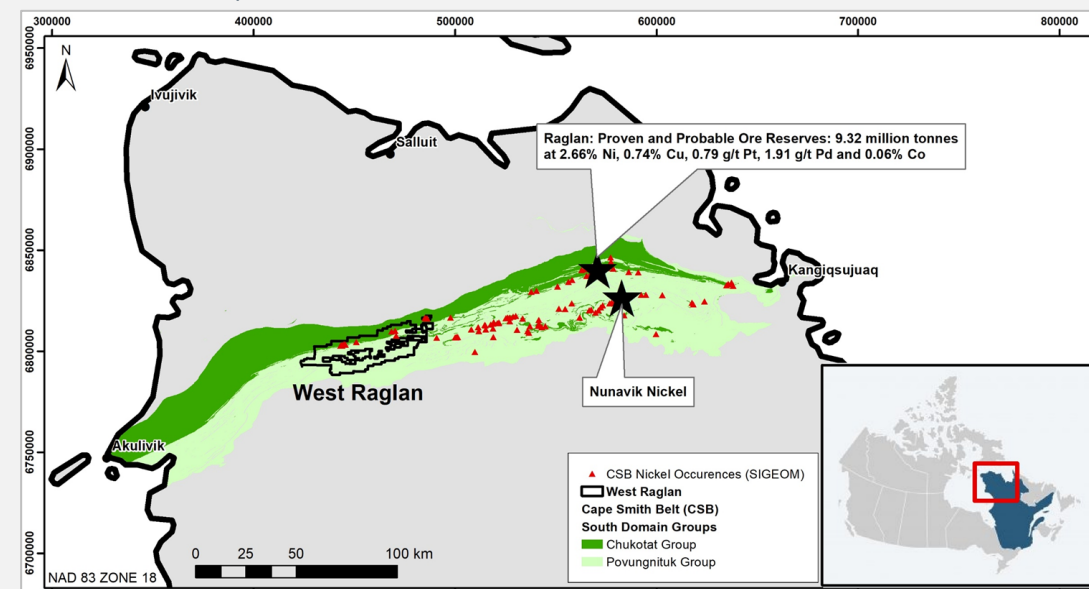
Massive 713 km² property in a prolific, yet underexplored region in Quebec

- 100%-owned, advanced stage Ni-Cu-PGE exploration project covering nearly 707 km² 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 ~60 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.

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

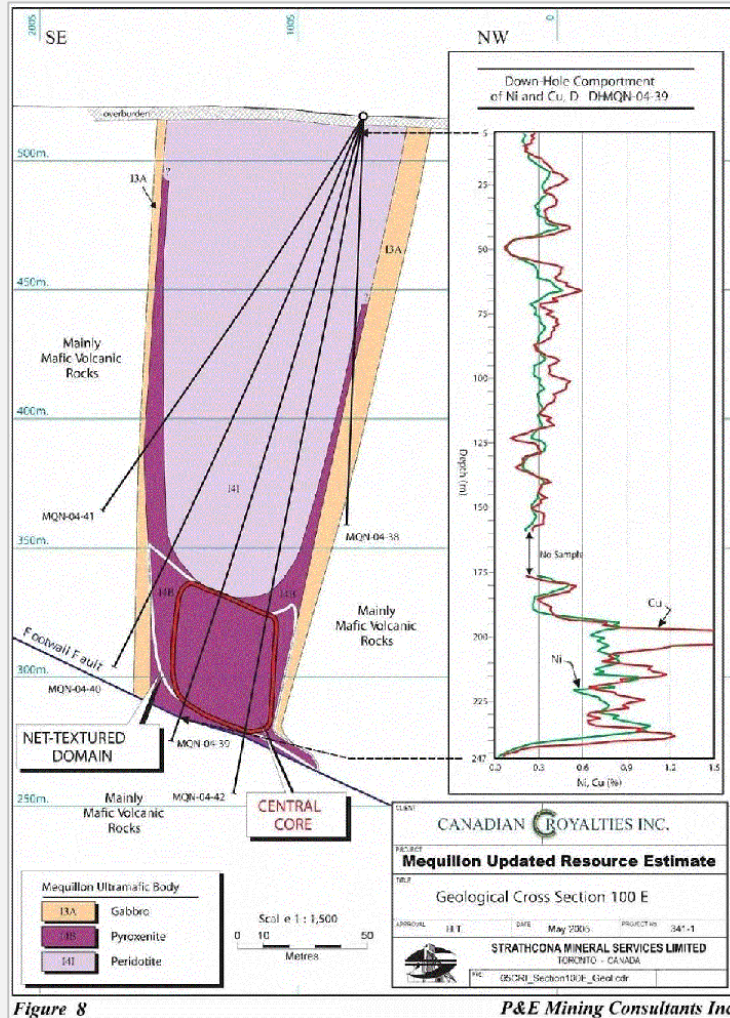
Location in the Cape Smith Belt



Ground views of West Raglan property

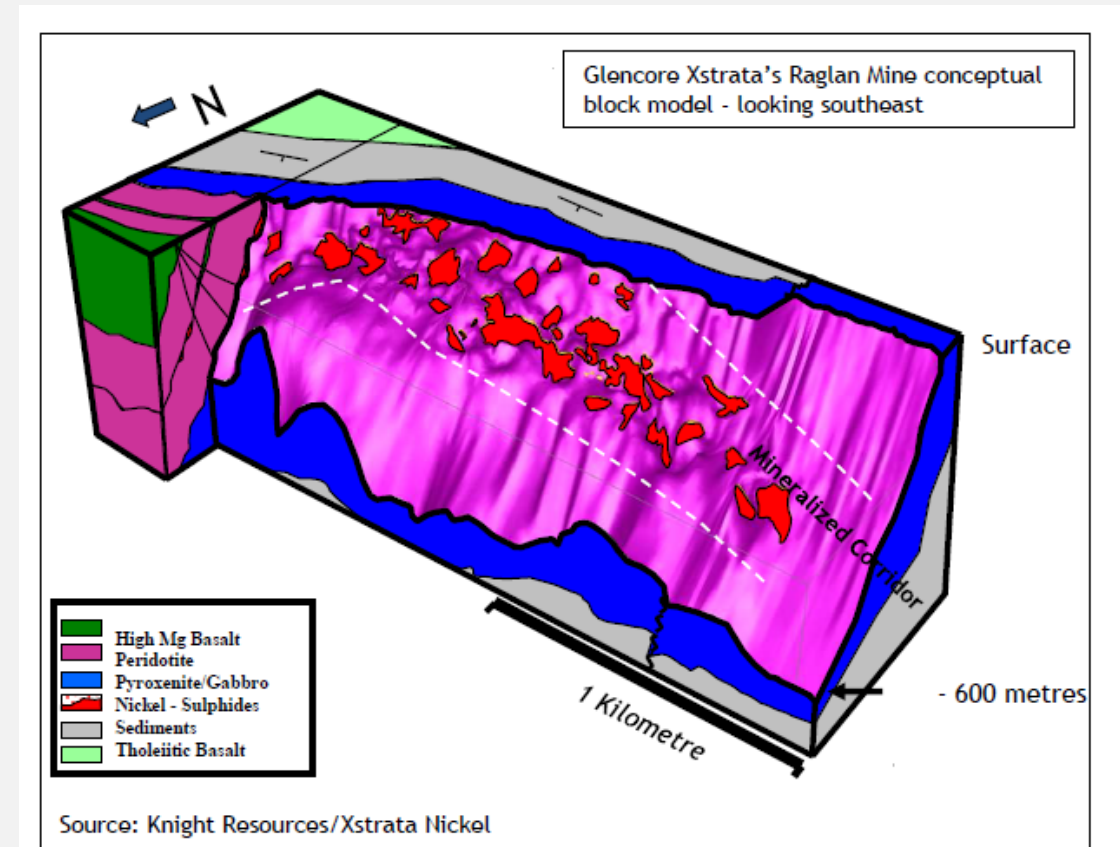


WEST RAGLAN PROJECT – GEOLOGICAL MODELS



Canadian Royalties' Mequillon deposit is an ultramafic dyke 1.5km x200m (peridotite core, pyroxenite and gabbro on margins, hosts net-textured and massive sulfides (Ni:Cu 1:1)

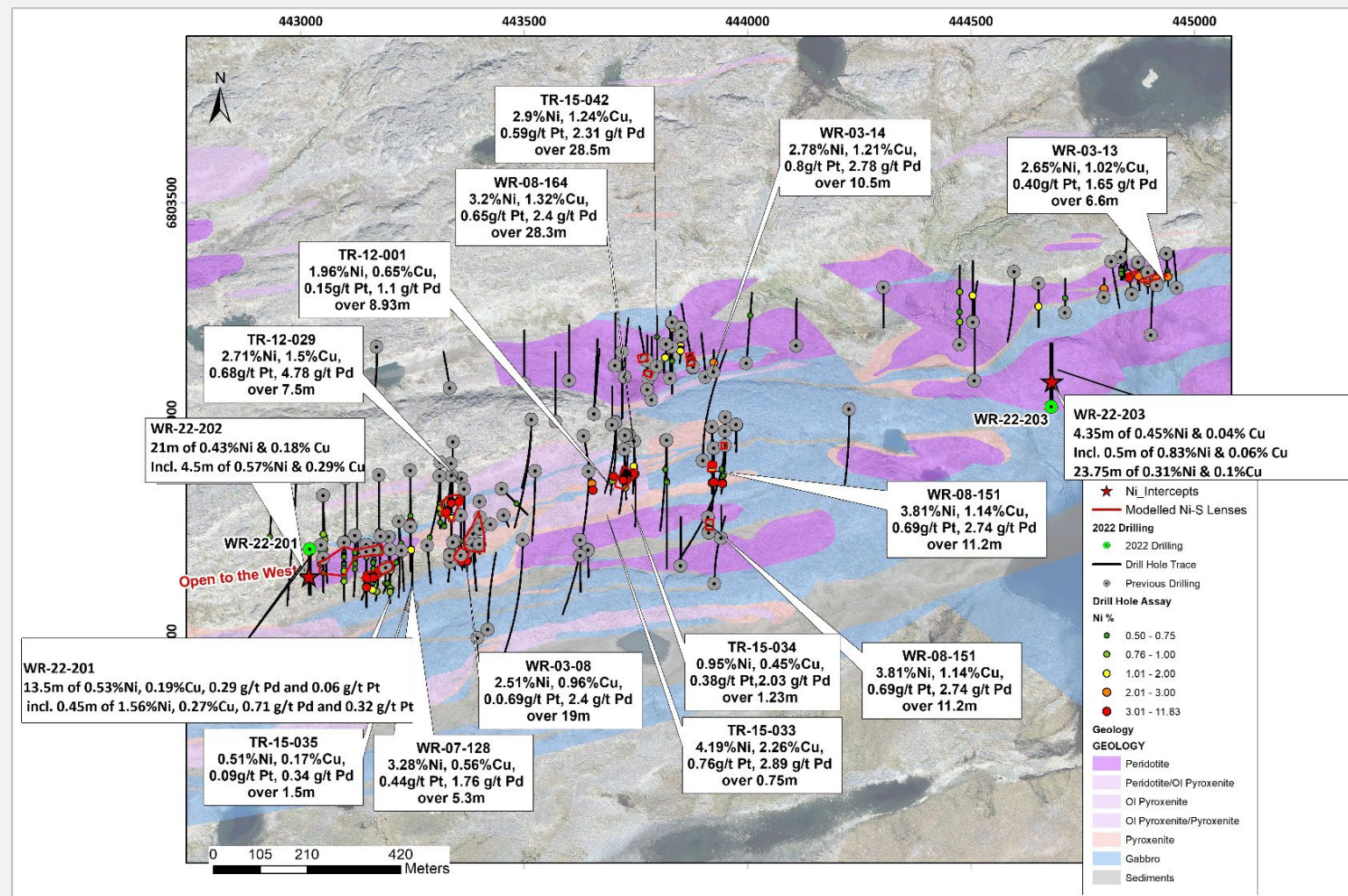
Raglan Mine hosts 190 individual sulphide lenses in 12 distinct zones; four zones are currently in production feeding a central mill facility (Ni:Cu, 3:1)



WEST RAGLAN PROJECT

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

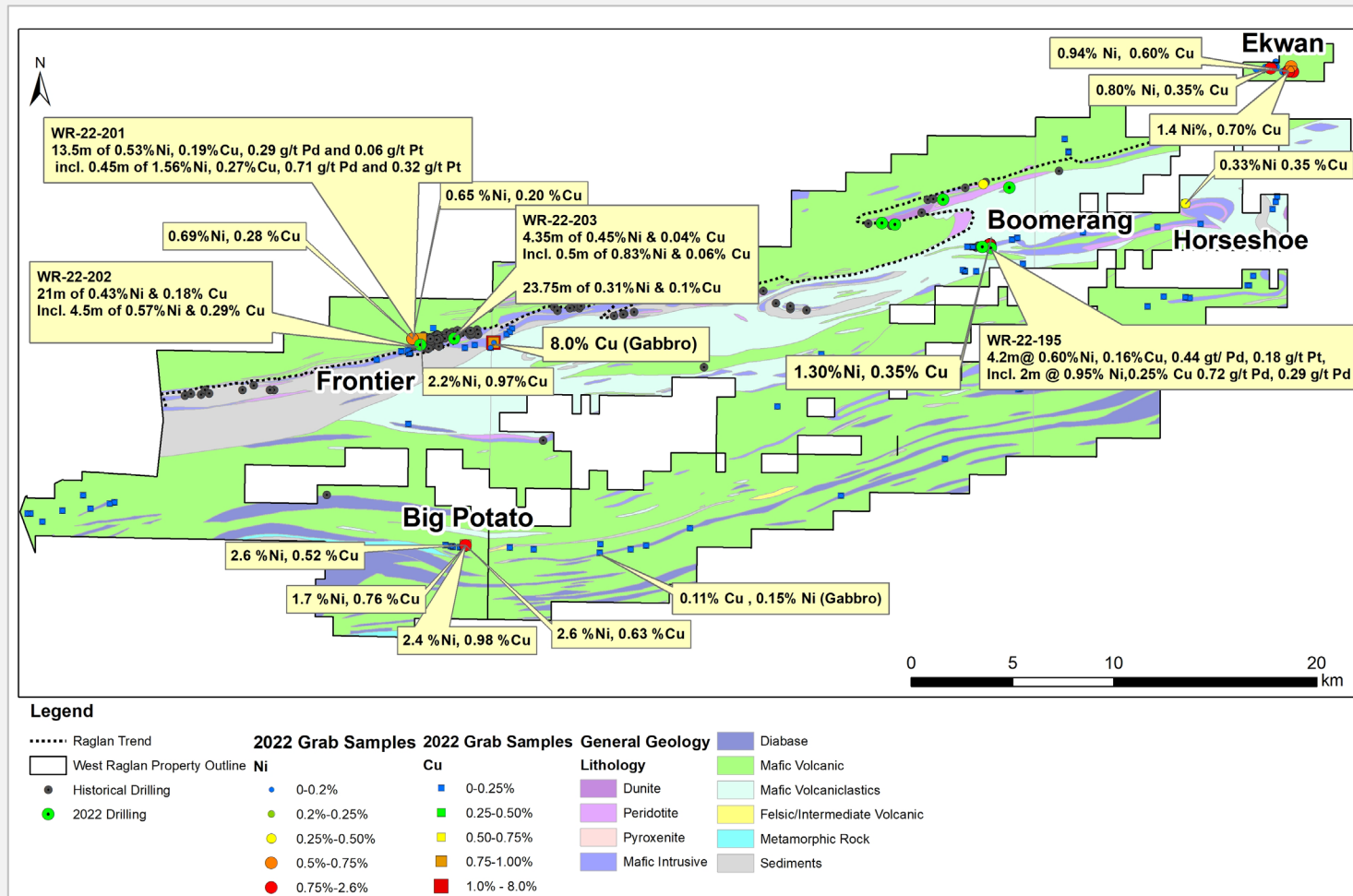
- Historically, the Frontier Area of West Raglan hosts the majority of the West Raglan Drilling
- Several Raglan Styles Nickel-Sulphide pods have been discovered.
- Raglan-type grades and intercepts are shown on this map.
- In 2022 Drilled three extensional type targets on west and east sides with strong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

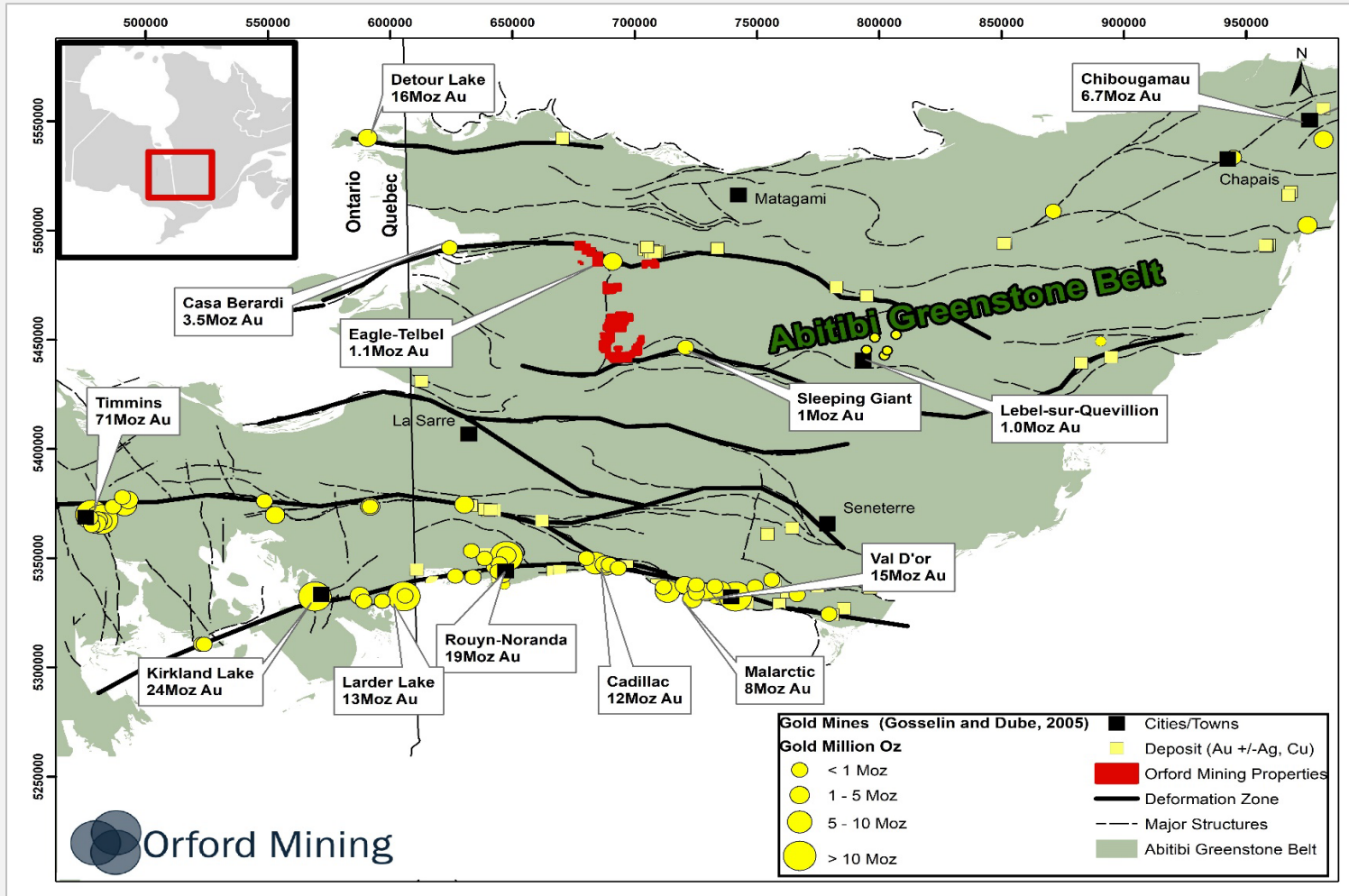
2022 Diamond Drilling program – 2,589 metres in 9 holes testing Squid EM targets



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 HOLDS LARGE POSITION IN THE ABITIBI

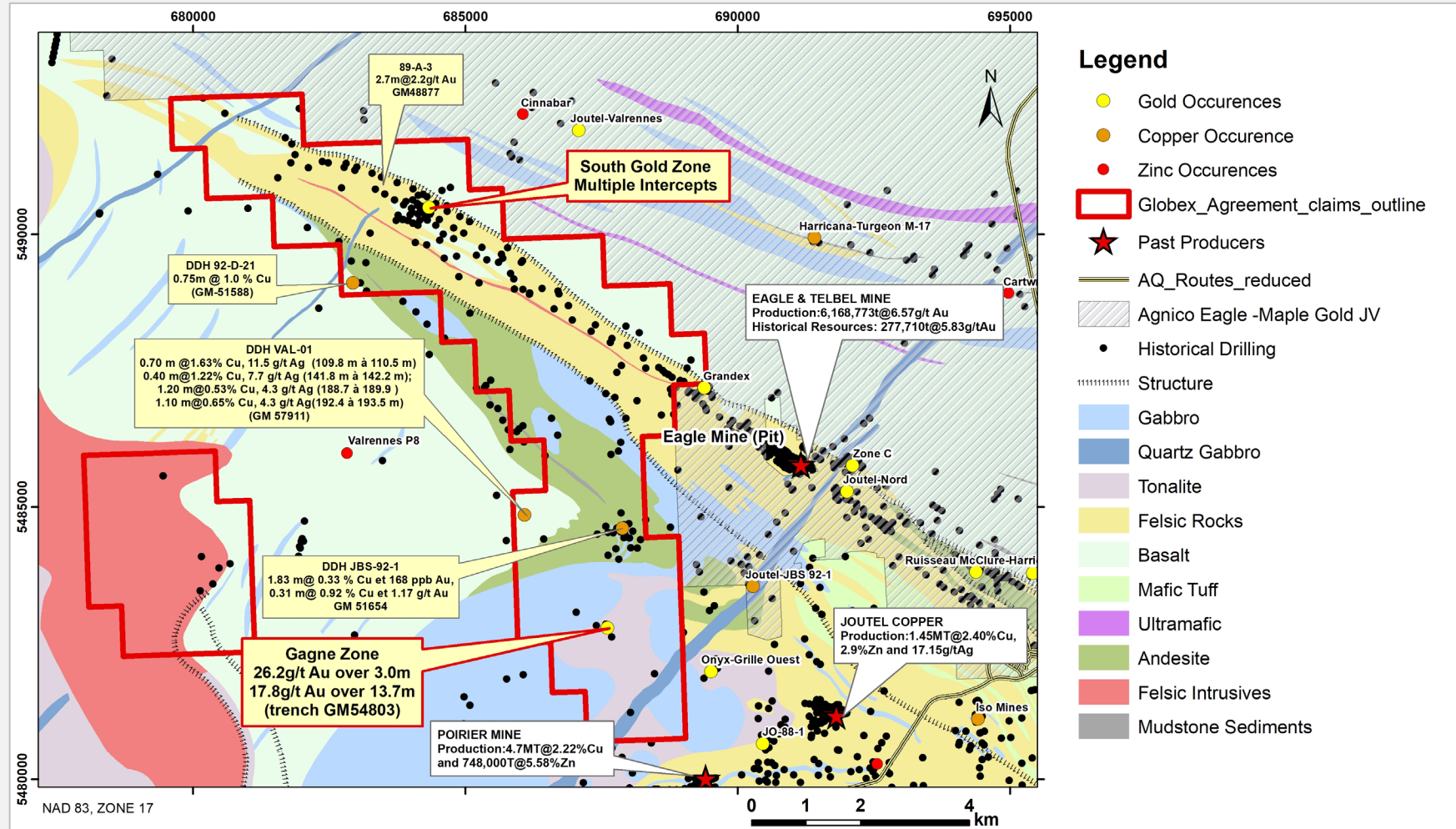
Four properties totalling 260 sq kms in the heart of the Abitibi – vastly under-explored



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

JOUTEL – EAGLE OPTION

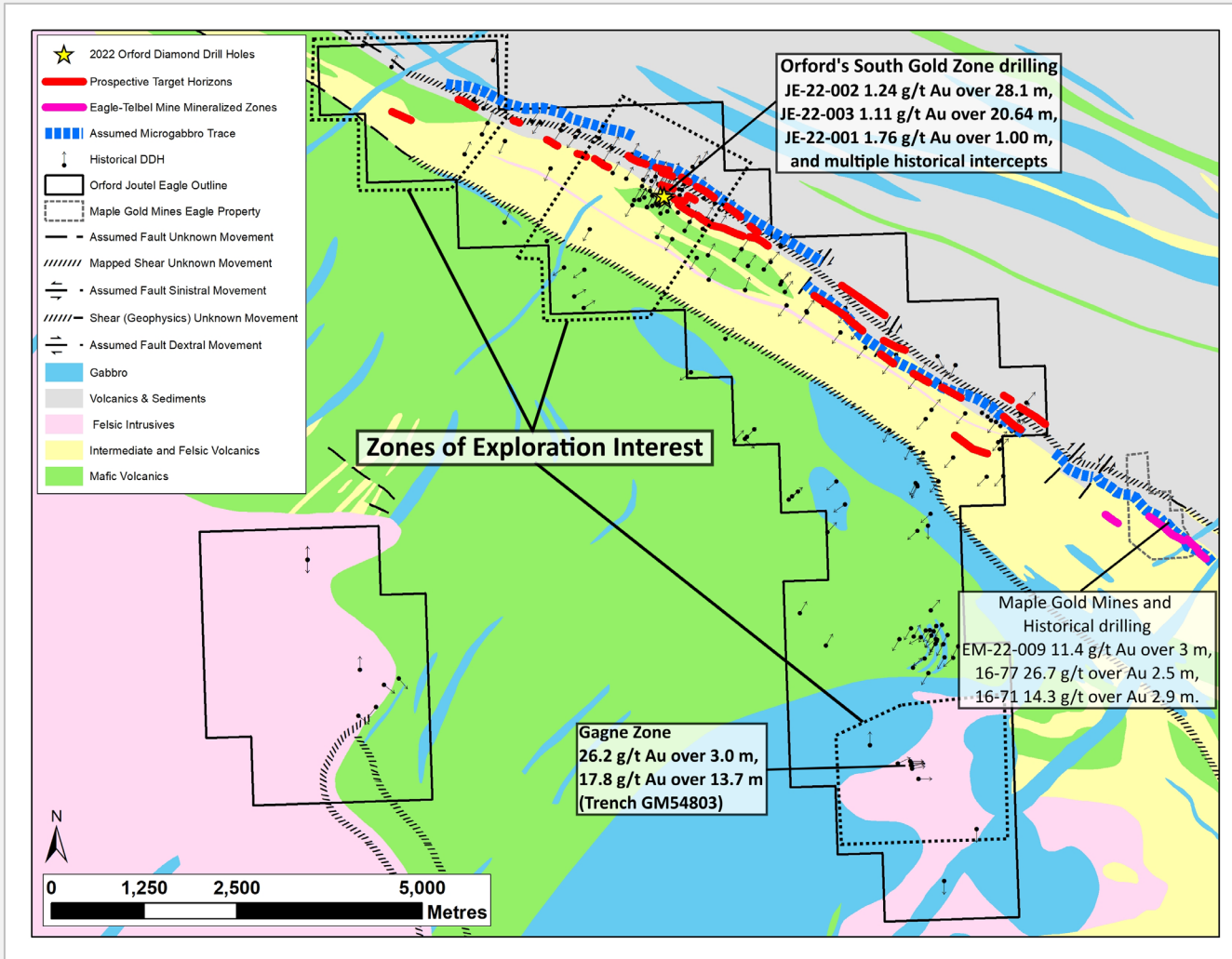
Advanced exploration property next door to past producers



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

JOUTEL – EAGLE TARGETTING

Multiple prospective stratigraphic targets



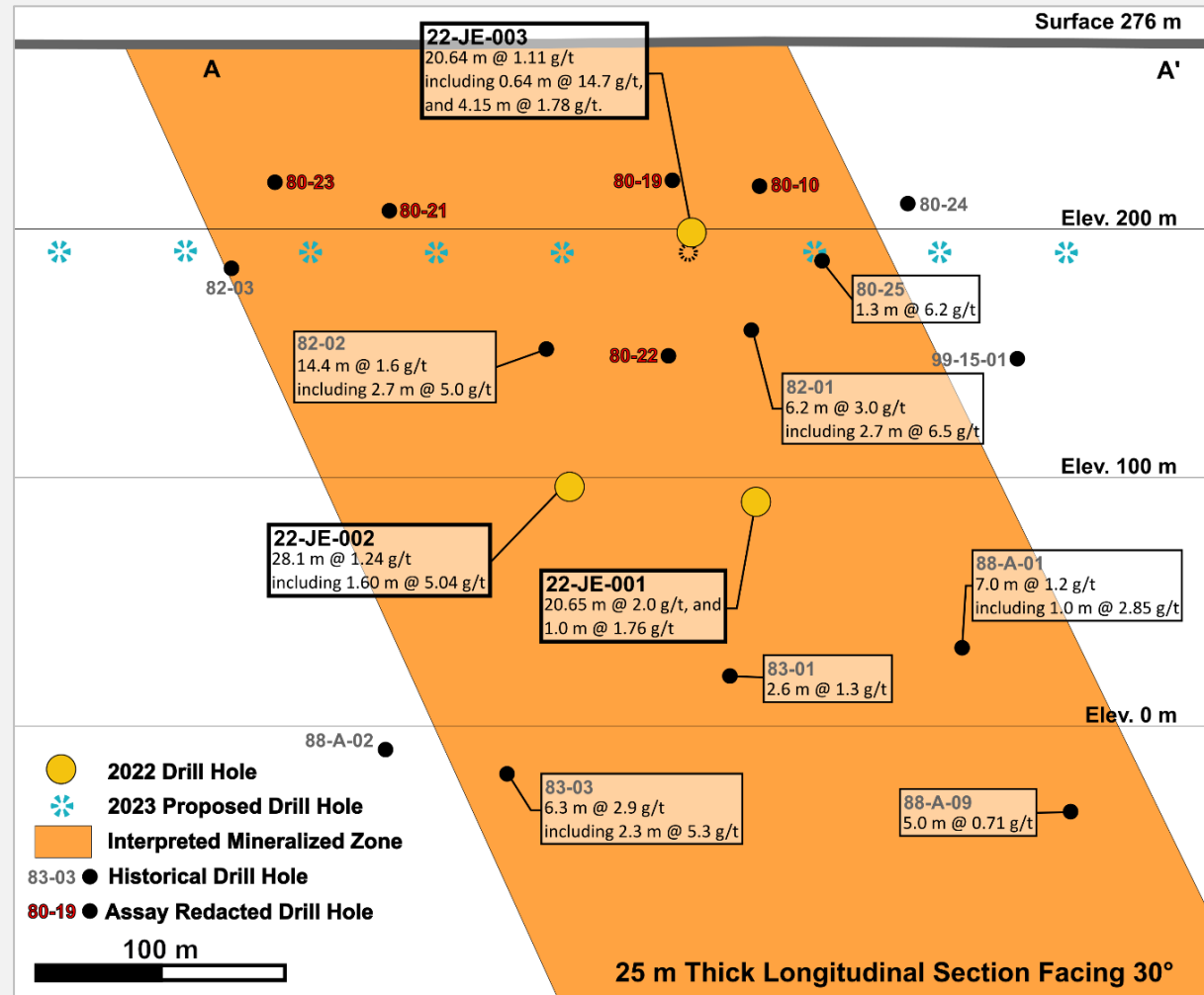
Joutel Eagle Targetting

- Airborne EM to complement previously completed airborne magnetics and to map out both the marker hanging wall graphitic horizon and the Eagle – Telbel mine horizon massive sulphide.
- Magnetics interpretation of the prospective micro – gabbro intersected in adjacent properties on strike with high-grade gold.
- Winter 2023 Drilling program planned.
 - Test South Gold zone
 - Gagne Zone
 - Northwestern target
 - Micro-gabbro

See Orford Press release dated May 12 and June 7, 2022, and Maple Gold Mines Ltd Dated August 15, 2022. Note that All drilling intervals are down-hole lengths. True thicknesses cannot be estimated with available information

JOUTEL – EAGLE GOLD PROJECT

2023 Drilling plan at South Gold



South Gold 2022 Drilling highlights

- Grades of up to **14.7 g/t gold over 0.64 metres** included in an interval of **1.11 g/t gold over 20.64 metres** were intersected in drill hole 22-JE-003
- An interval of **1.24 g/t gold over 28.10 metres** within a much broader horizon of **0.97 g/t gold over 46.98 metres** was intersected in hole 22-JE-002

South Gold Drilling 2023

- Extend strike length to 400 metres
- Test continuity <300 metres depth
- Test micro-gabbro unit to northwest for high-grade seen on Eagle claim by Maple Gold. This unit is not well tested on the Joutel Eagle property

The historical technical information shown in this image was 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.

All drilling intervals are down-hole lengths. True thicknesses cannot be estimated with available information. The Locations of historical holes is estimated based on historical georeferenced maps and aerial imagery and the location of 3 historical casings found on the property in 2022.

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. 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

Potential discovery of multi-million ounce gold deposits

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

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

News Catalysts

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





Orford Mining

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THANK YOU



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President & CEO

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