



NORTHERN  
SUPERIOR  
RESOURCES

# Corporate Presentation

**Consolidating** the Chibougamau Gold Camp in Quebec  
**Capitalizing** on District Scale Exploration in Ontario

June 2024

TSXV:SUP | OTCQB:NSUPF



# Forward Looking Statements

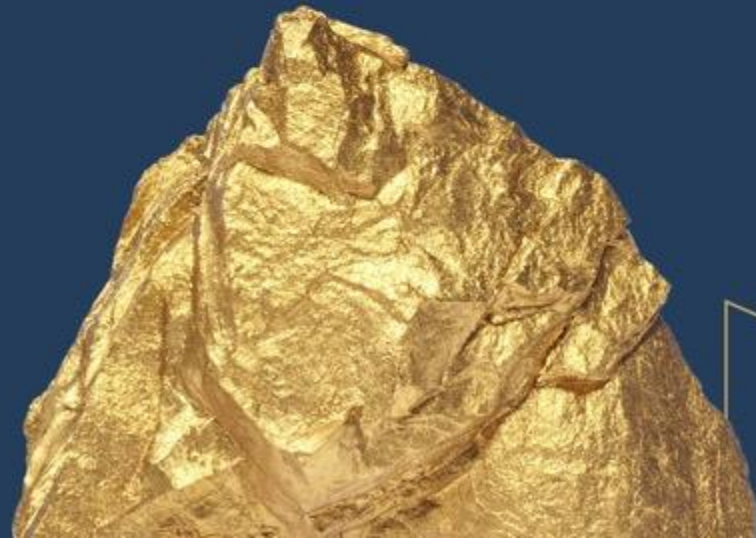
Cautionary Note Regarding Forward-Looking Statements: This Presentation contains forward-looking statements that involve risks and uncertainties, which may cause actual results to differ materially from the statements made. When used in this document, the words “may”, “would”, “could”, “will”, “intend”, “plan”, “anticipate”, “believe”, “estimate”, “expect” and similar expressions are intended to identify forward-looking statements. Such statements reflect our current views with respect to future events and are subject to such risks and uncertainties. Many factors could cause our actual results to differ materially from the statements made, including those factors discussed in filings made by us with the Canadian securities regulatory authorities. Should one or more of these risks and uncertainties, occur or should assumptions underlying the forward-looking statements prove incorrect, actual results may vary materially from those described herein as intended, planned, anticipated, or expected. We do not intend and do not assume any obligation to update these forward-looking statements, except as required by law. Shareholders are cautioned not to put undue reliance on such forward-looking statements. Mrs. Adree DeLazzer, Qualified Person as defined in NI 43-101, has reviewed and approved the technical content of this presentation.



Gold is more precious than ever before. In the early stage of a once-in-a-generation systemic inflation cycle, demand for gold, notably from central banks around the world, is at an all-time high.

Northern Superior Resources is consolidating the Chibougamau Gold Camp in Quebec...

... and capitalizing on district scale exploration potential in Ontario with 72% ownership of recently listed Spin-off company, **ONGold Resources Ltd.**



# Forging the future in gold.



With this immense potential, we are focused on creating the next gold developer.

## Land of opportunity

**Chibougamau** is widely renowned for its vast gold and copper resources. It is home to many of our exploration projects, which we have been consolidating with the objective of combining them into a single operation, thereby compounding the value of those gold ounces.

Northern Superior owns **72%** of ONGold Resources Ltd., which owns the **TPK Project** in Ontario. Geologically speaking, this property is one of the largest gold-in-till dispersal anomalies in the world. Plainly speaking, it is more than just a potent gold anomaly, it's a gold district on its own. Following the grant of exploration permits, we have announced a spin-off this coveted asset. This has brought the attention of one of the world's largest gold producers, which has staked ground all around TPK.







# Why choose Northern Superior?

Investment highlights and key takeaways.



## Leading Explorer

Largest consolidated land package in the Chibougamau Gold Camp (with over 62,000 hectares) which includes most of the relevant projects: Philibert, Lac Surprise, Chevrier, and Croteau.

## Experienced Team

Our core management team comprises stalwarts in mineral exploration and finance with several accomplishments. Our technical teams bring extensive knowledge and expertise, allowing us to punch above our weight class.

## Growth Potential

Our recent exploration success is a clear testament to how much potential for growth the Chibougamau Gold Camp still retains.



# Why choose Northern Superior?

Investment highlights and key takeaways.

## Chibougamau Proven Districts

The idea of consolidating the camp to make it viable has been discussed for several years. Northern Superior is stepping up and seizing the opportunity.

As our projects are near underexplored proven auriferous structural breaks, providing for a clear potential to host more ore deposits of various types.

## Conviction

With **25%+** of insider ownership, interest is well aligned with shareholders. We aim to build a gold camp with an approach that will create shareholder value.

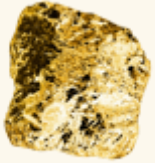
## Exploration in Ontario

**We own 72% of ONGold Resources** (TSXV: ONAU), our spin-off company that owns the famous district scale **TPK Project** in Ontario. ONGold is led by a team of unparalleled sustainability and social acceptability experts.





# Visionary Leaders

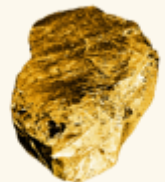


**VICTOR CANTORE**  
Executive Chairman

President and CEO of AMEX Exploration Inc., one of the most successful gold exploration companies in the country.

Over 25 years of advisory and leadership experience and serves on the boards of various companies both private and public.

*V. Cantore*

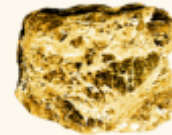


**RODNEY BARBER**  
Senior Vice President Exploration

Professional Geologist P.Geo with over 35 years of experience in exploration and mining.

Previously employed as the Geology Superintendent at Barrick-Hemlo, Ontario; added 4.5 M oz of gold reserves.

*R. Barber*

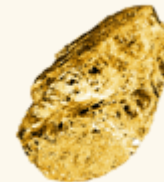


**SIMON MARCOTTE**  
President, Chief Executive Officer and Director

Founder, President & CEO of Royal Fox Gold Inc. until its acquisition by Northern Superior in 2022.

Nearly 25 years of experience, including with CIBC World Markets, Sprott & Cormark Securities, and founder, officer, or director of several resource companies including Arena Minerals, Freeman Gold Corp., NorthX Nickel, Black Swan Graphene, and Mason Graphite.

*S. Marcotte*



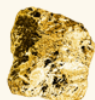
**ADREE DELAZZER**  
Vice President Exploration

Professional Geologist P.Geo with over 15 years of experience in exploration and mining.

Formerly Superintendent of Geology for Kirkland Lake, Detour Lake Gold Mine and Exploration Manager responsible for near mine and greenfield exploration programs.

*A. Delazzer*

# Accomplished Directors

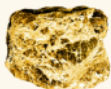


## MICHAEL GENTILE

Largest Shareholder and Director

Over 20 years as institutional money manager investing in commodity sector. Recently co-founded Bastion Asset Management.

Seasoned mining investor; member of the board of Roscan Gold Corporation and Radisson Mining Resources.



## FRANÇOIS PERRON

Director

Currently President and CEO of Lucky Minerals.

30 years of experience in various roles including mining portfolio manager with Caisse de Depot (Qc) and NBC Alternative Investments; VP Corporate Development, President, CEO, or director for various TSX Venture Exchange listed companies.

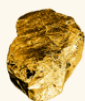


## PETER DAMOUNI

Director

Currently President and CEO of mason resources, Executive Director of Black swan Graphene,

He was also a director of Arena Minerals Inc., until its acquisition by Lithium Americas. He co-founded Chesterfields Resources and was a director of Gating Exploration that was acquired by MAG Silver.

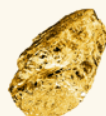


## ANDREW FARNCOMB

Director

Founder of Cairn Merchant Partners LP; founder and director of Contact Gold Corp and Cairn Memory Care Fund GP.

Formerly a Partner (Investment Banking) at Paradigm Capital Inc.; Director of several TSX and TSX Venture Exchange listed companies.

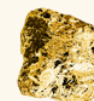


## FRANK GUILLEMETTE

Director

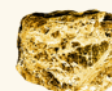
Entrepreneur with over 20 years of experience in finance and venture capital.

Advanced the Philibert Project until its acquisition by Royal Fox; other transactions including the Black Dog project to Osisko Mining and the Monster Lake Project to IAMGOLD.



## SIMON MARCOTTE

President and CEO

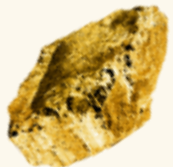


## VICTOR CANTORE

Executive Chairman



# Technical Experts



## TOM MORRIS

Chair of Technical Committee

Dr. Morris is a Professional Geologist with over 30 years of experience and previously was the President and CEO of Northern Superior.

In 2012 was awarded the Quebec Prospector of the Year Award by the Association de L'Exploration Minière du Québec.

*T. Morris*



## JEAN LAFLEUR

Technical Committee

Mr. Lafleur is a seasoned geologist well known in the Province of Quebec with over 40 years of mining industry experience.

Currently acting as a senior consultant for Appian Capital, and previously with Newmont, Falconbridge, Placer Dome.

*J. Lafleur*



## DAVID BEILHARTZ

Technical Committee

Professional Geologist P.Geo with over 35 years of experience in exploration and mining.

Formerly Vice-President Exploration of Trelawney Mining and Exploration, Vice-President, Exploration of Lakeshore Gold and Chief Geologist for Holmer Gold Mines.

*D. Beilhartz*

# Gold Projects in Quebec and Ontario

...Northern Superior owns **72%** of ONGold...



All Projects Concentrated  
Within a Very Small Radius

## Lac Surprise Project

Adjacent & along strike of  
Nelligan deposit  
Maiden 43-101 Resource  
Estimate planned for 2024

## Philibert Project

New Maiden Resource in 2023  
279K oz Au at 1.10 g/t (ind.) &  
1.709 M oz at 1.10 g/t Au (Inf.)

## Croteau Est Project

INF. RESOURCES: 643K oz Au at  
1.73 g/t Au

## Chevrier Project

RESOURCES: 260K oz Au at 1.26 g/t  
Au (Ind.) & 652K oz Au at 1.29 g/t  
Au (Inf.)

## TPK Project

Regional-scale gold systems  
Multiple high-grade gold discoveries







## October Gold Project

On same auriferous structure as Cote lake – IAG  
Early-stage gold exploration property

# Québec: Chibougamau Camp At a Glance

 Size = 
  Viability = 
  Value per ounce

With **higher grades** and **great metallurgy**, Northern Superior has the potential to **lower the payback period** of a conceptual operation integrating the Nelligan deposit, let alone providing for **size** and further **growth potential**

<b>Nelligan</b> 100% IMG		Indicated: Inferred:	1,970,000 oz 3,600,000 oz	0.84 g/t 0.87 g/t
<b>Philibert</b> 75% SUP; 25% Soquem		Indicated: Inferred:	278,900 oz 1,708,800 oz	1.10 g/t 1.10 g/t
<b>Lac Surprise</b> 100% SUP		<i>Upcoming Resource</i>	<i>Adjacent to Nelligan</i>	
<b>Monster Lake</b> 100% IMG		Inferred:	433,000 oz	<b>12.14 g/t</b>
<b>Chevrier</b> 100% SUP		Indicated: Inferred:	260,000 oz 652,000 oz	1.26 g/t 1.29 g/t
<b>Croteau</b> 100% SUP		Inferred:	640,000 oz	1.73g/t



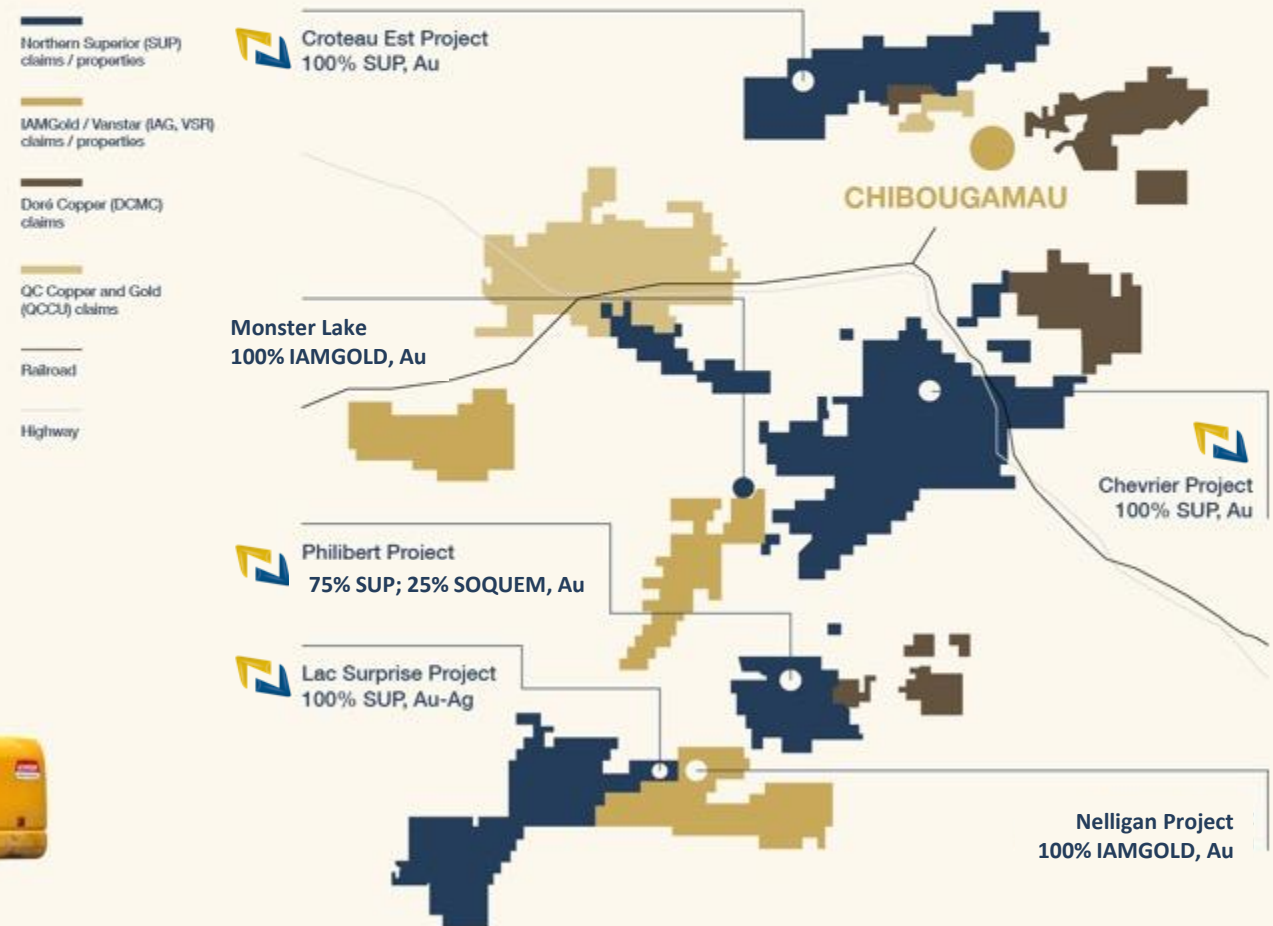


# Leading the Consolidation of the Chibougamau Gold Camp



By consolidating the most relevant gold deposits in the Chibougamau Gold Camp under one roof, Northern Superior is **increasing the viability of the resources**. The deposits are located within a small radius, which will eventually allow them to be combined into a single operational design, feeding a single mill.

**We look at the camp as one project.**



# Zooming-in on the core area of the Chibougamau Gold Camp

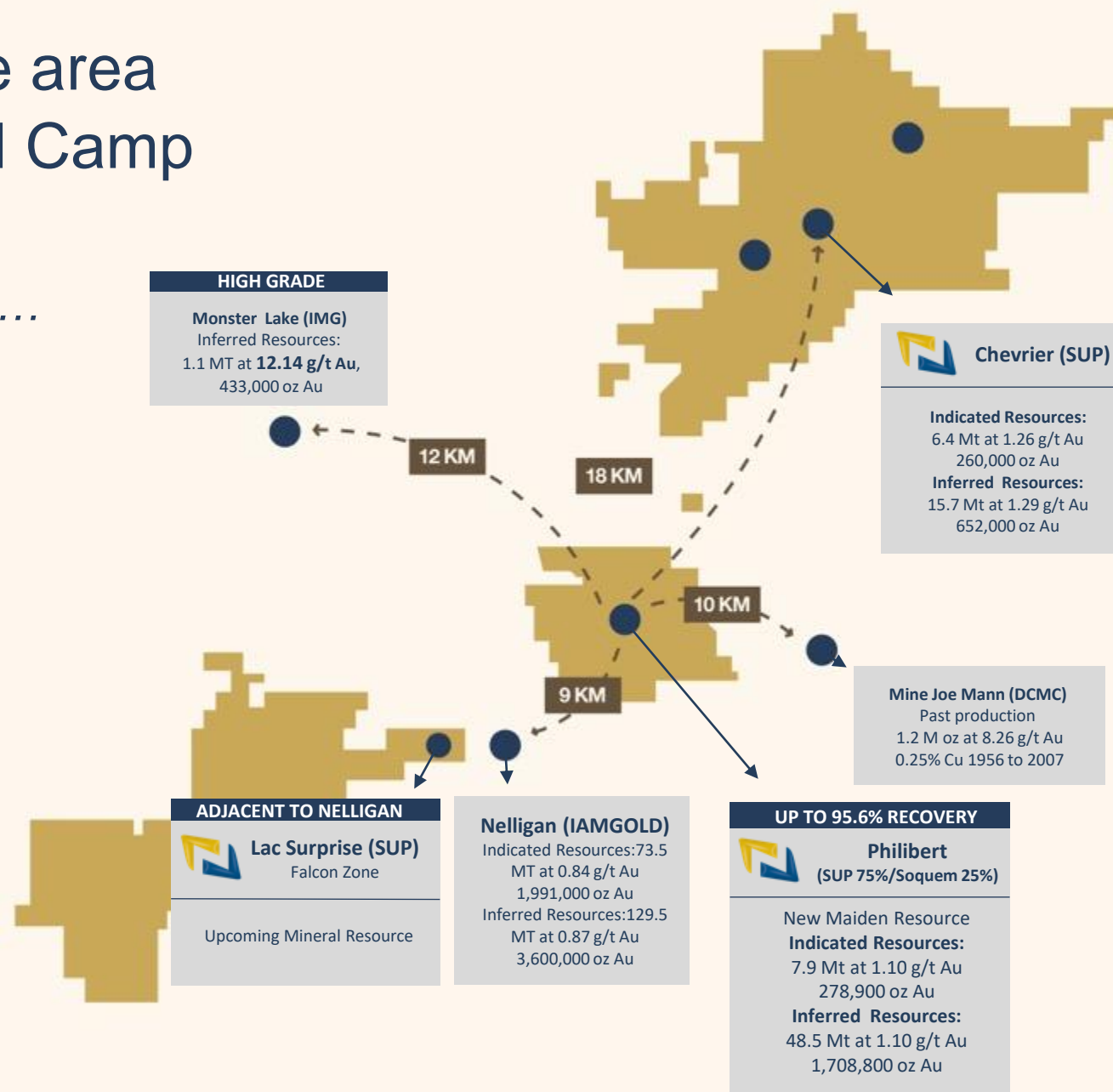
*...Ideally suited to feed a single mill...*

Following its long history of copper driven exploration, it has become evident that the southern Chibougamau camp carries great potential for gold mineralization. We believe the key gold deposits will expand and further discoveries are inherent.

Our properties are surrounding or even adjacent to IAMGOLD's Nelligan, which was the "Discovery of the Year" in 2019

All properties are accessible by road and have nearby access to hydroelectricity.

A Tier-1 mining jurisdiction. Quebec is one of the most sought-after jurisdictions in the world with unmatched government support and clear permitting framework.







## Imminent Activity Ramp Up

- Northern Superior now well funded and aims to drill more than 20,000 metres in the months ahead;
- IAMGOLD currently drilling and unveiled plans to drill more than 15,000 metres in the camp in 2024;\*
- IAMGOLD indicated that a new Mineral Resource Estimate on Monster Lake is expected in H1/2024.\*

## Acquisition of Vanstar by IAMGOLD: Further Evidence IAMGOLD Redirecting Resources Toward the Camp

- Vanstar owned 20% of the Nelligan deposit<sup>1</sup>
- Acquired by IAMGOLD in December 2023 for \$45 million<sup>2</sup>
- 74% premium to the 20-day VWAP
- A value of \$40.90 / oz<sup>3</sup>

"This transaction consolidates our interests in the highly prospective **Nelligan deposit** while building our exploration portfolio within Northern Québec," **commented Renaud Adams, President and Chief Executive Officer of Iamgold**. "Our exploration efforts at Nelligan to date, in partnership with Vanstar, have shown the potential for further resource expansion, which we will continue to advance. While this transaction bolsters our Canadian exploration portfolio, the priority for Iamgold today remains focused on the successful commissioning, ramp-up and growth of Côté gold in Ontario. Côté is a project that is critical for the repositioning of this company, as once online, Iamgold will have a significantly higher production base and lower cost profile, **providing a strong foundation of cash flow and growth opportunities in Canada.**"

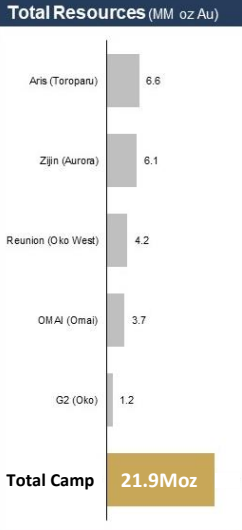
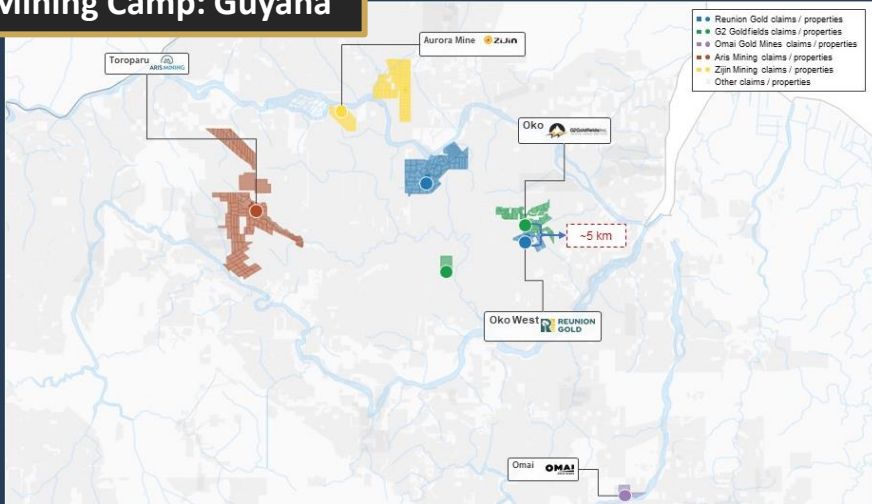
- IAMGOLD Corporation, Press Release December 5, 2023



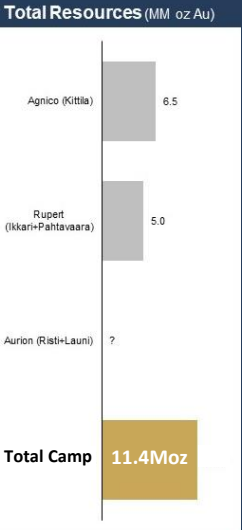
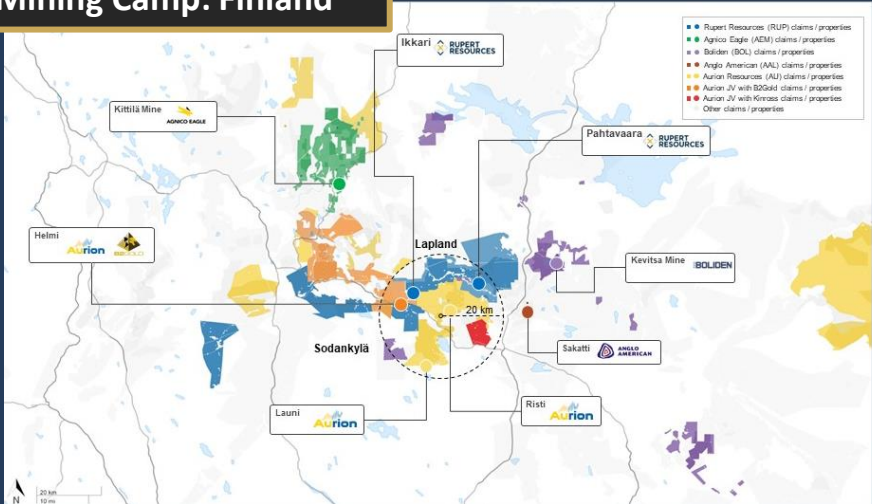
# Most Popular Gold Destinations are ...CONSOLIDATING Camps

Chibougamau on the Cusp of Joining the most Sought-After Camps

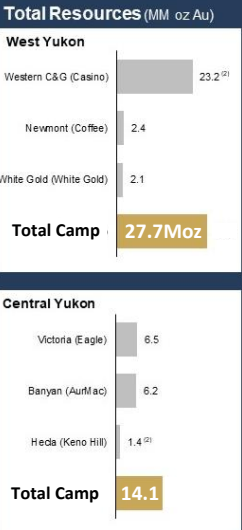
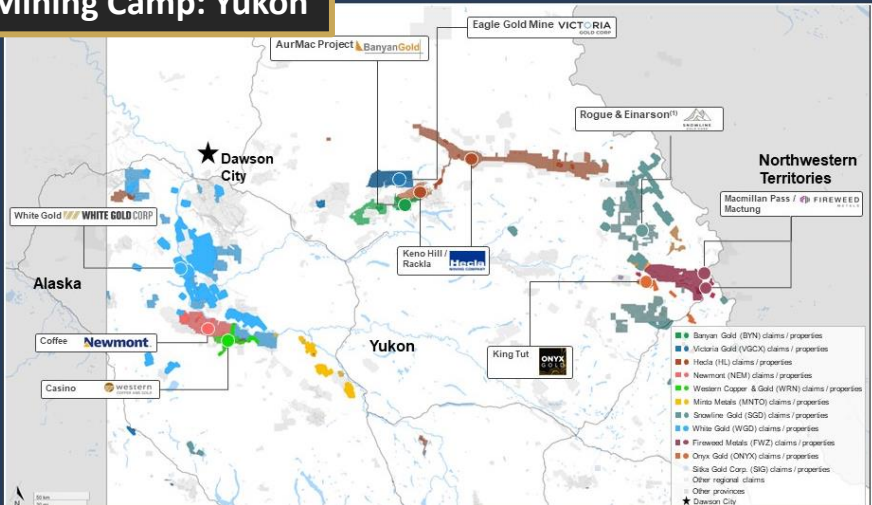
## Mining Camp: Guyana



## Mining Camp: Finland



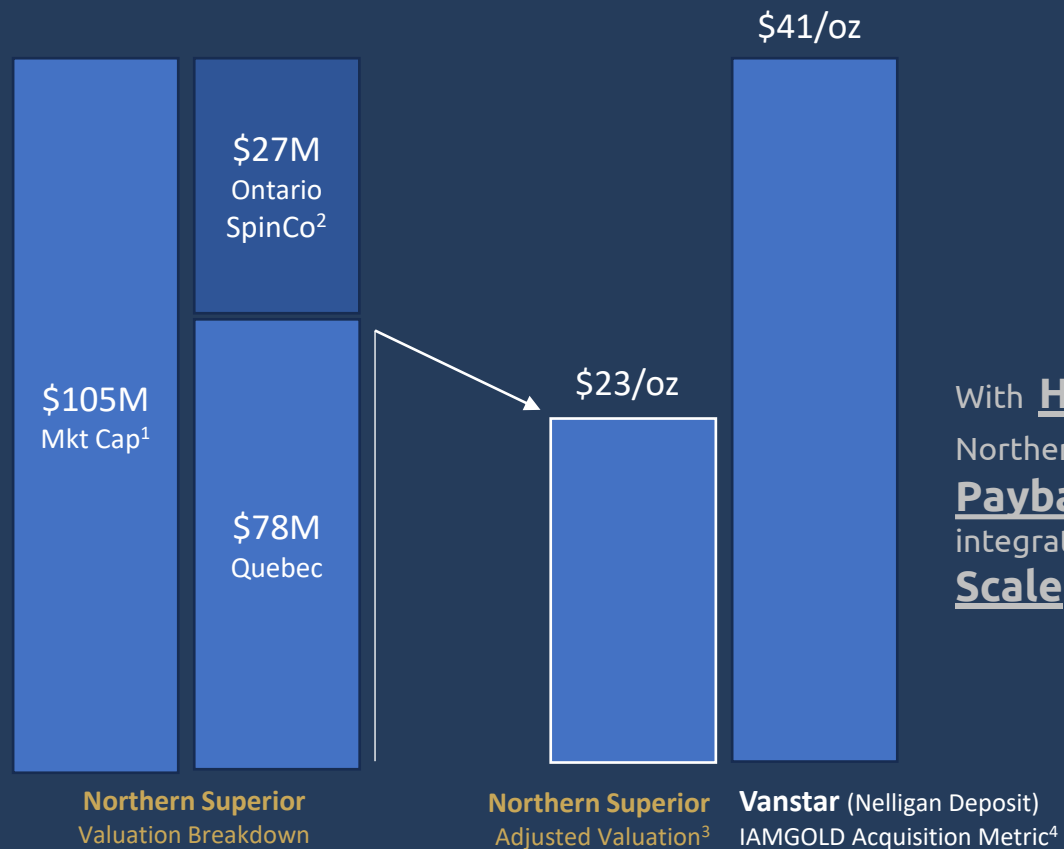
## Mining Camp: Yukon



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		Inferred:	3,600,000 oz	0.87 g/t
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		Inferred:	652,000 oz	1.29 g/t
Croteau 100% SUP		Inferred:	640,000 oz	1.73g/t

Nelligan NI 43-101, IAG February 2023; Monster Lake NI 43-101, IAG May 2018; Chevrier NI 43-101, SUP September 2022; Croteau – NI 43-101, SUP October 2015; Philibert NI 43-101, SUP September 22, 2023 ;

# Northern Superior Valuation Breakdown



With **Higher Grades** and **Great Metallurgy**, Northern Superior has the potential to **Lower the Payback Period** of a conceptual operation integrating the Nelligan deposit, let alone providing for **Scale** and further **Growth Potential**

All Projects Concentrated Within a Very Small Radius

#### Lac Surprise Project

Adjacent & along strike of Nelligan deposit  
Maiden 43-101 Resource Estimate planned for 2024

#### Philibert Project

New Maiden Resource in 2023  
279K oz Au at 1.10 g/t (ind.) & 1.709 M oz at 1.10 g/t Au (Inf.)

#### Croteau Est Project

INF. RESOURCES: 643K oz Au at 1.73 g/t Au

#### Chevrier Project

RESOURCES: 260K oz Au at 1.26 g/t Au (Ind.) & 652K oz Au at 1.29 g/t Au (Inf.)

1- As of May 31, 2024

2- 35,686,686 shares of Ontario SpinCo valued at \$0.51 per share; see press release dated July 10, 2023

3- Implied valuation of the Quebec assets, plus \$3.5M required to exercise the option with Soquem to own 100% of the Philibert property:  $(\$78M + \$3.5M) / 3.5\text{Moz} = \$23/\text{oz}$

4- IAMGOLD paid \$45M, on a fully diluted in-the-money basis, for 20% of Nelligan (Total Resource of 5.5Moz), the equivalent of \$41/oz

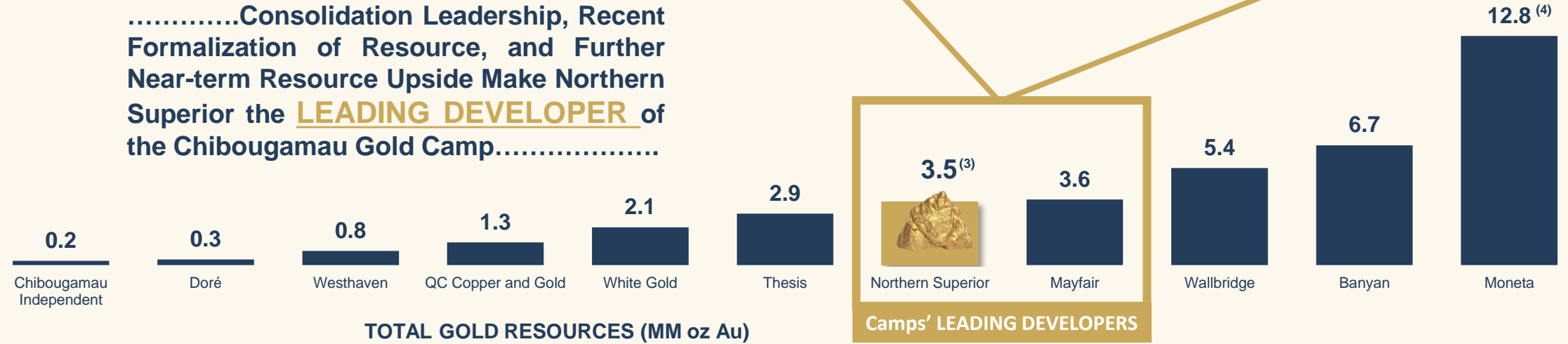
# Comparables

We are crafting the next gold developer on the eve of a substantial revaluation

ENTERPRISE VALUE (CAN\$)



.....Consolidation Leadership, Recent Formalization of Resource, and Further Near-term Resource Upside Make Northern Superior the **LEADING DEVELOPER** of the Chibougamau Gold Camp.....



Note: Priced as of May 31, 2024; (1) Adjusted for value of Spin-off of Ontario Assets (see press release dated July 10, 2023) and \$3.5M necessary to exercise the Philibert Option with Soquem to obtain 100% ownership: (\$108m-\$27m+\$3.5m); (2) As of November 27, 2023, last unaffected price prior to the announcement of its merger-of-equals with Nighthawk; (3) Includes Philibert on a 100% basis; (4) Prior to the announcement of its merger-of-equals with Nighthawk





# Assertive Execution

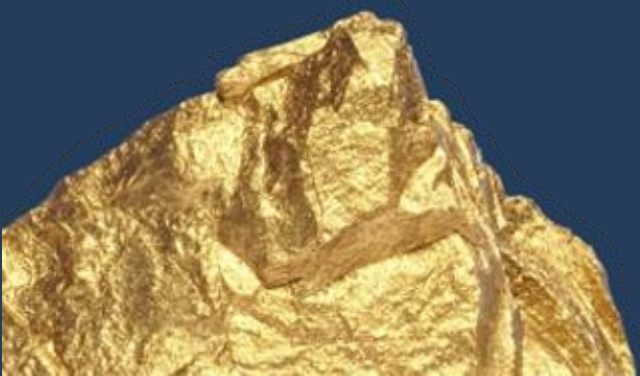




# ONGold Resources: Spin-off of the TPK Project and Other Ontario Assets

ONGold: TSXV: ONAU  
 \$5M+ of “hard” capital

Northern Superior will remain the largest shareholder of ONGold with 72% ownership



# Helming the District Scale TPK Project in Ontario



Northwestern Ontario's Ti-pa-haa-kaa-ning ("TPK") property is the largest till anomaly in North America. For this reason, it literally has a legion of followers.

**47,796**  
HECTARES

This large property, covers the underexplored Stull-Wunnummin Fault Zone and spans 30 x 20km totaling 47,796 hectares, and is 100% owned by Northern Superior.



We have recently obtained drilling permits and have communicated our desire to spin-off the asset or team up with a partner to accelerate this remarkable opportunity.

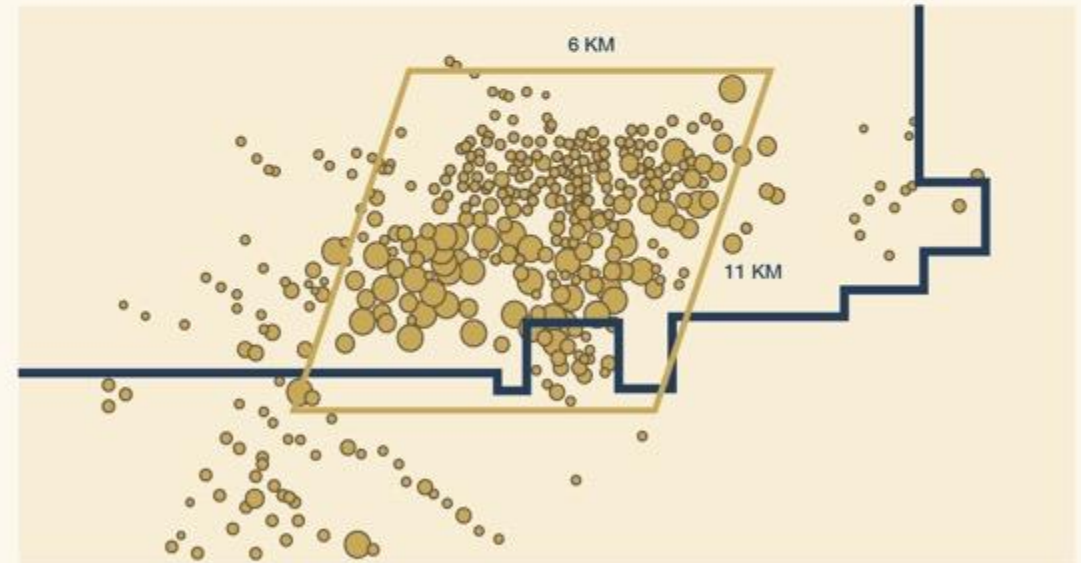
# Benefits of Exploration in the TPK Property

One of the largest gold-in-till dispersal anomalies in the world, indicating a large gold system or district.

Large mineral-bearing boulders returning assay values as high as **727 g/t gold**, 111 g/t silver, and 4.05 % copper.

Multiple, significant gold discoveries have already been made, including: **25.87 g/t gold over 13.45 metres** (TPK-10-004).

Most gold dispersal trains are 200 m x 3 km. This property hosts two distinct anomalies, the largest one being 6 km x 11 km.





# Cash & Capitalization Table

Cash Position	~\$9M
Insider Ownership	25%+

Shares Outstanding	164,369,150
Warrants*	1,698,000
Options**	9,445,000
RSU	783,747
<b>Total</b>	<b>176,295,897</b>

\* Strike price: \$0.67; 648,000 of those warrants are held by Michael Gentile, largest shareholder and Director

\*\*weighted avg exercise price \$0.50

# Recent News Releases

NORTHERN SUPERIOR ANNOUNCES CLOSING OF \$8 MILLION PRIVATE PLACEMENT WITH STRONG INSIDER PARTICIPATION

MAY 28, 2024

NORTHERN SUPERIOR ANNOUNCES UPSIZE IN PRIVATE PLACEMENT OF FLOW-THROUGH SHARES AND COMMON SHARES TO \$8 MILLION

MAY 10, 2024

NORTHERN SUPERIOR ANNOUNCES \$7 MILLION PRIVATE PLACEMENT OF FLOW-THROUGH SHARES AND COMMON SHARES

May 9, 2024

NORTHERN SUPERIOR PROUDLY ANNOUNCES THE APPOINTMENT OF JOHN KIM BELL AS CHAIRMAN OF ONGOLD RESOURCES

May 8, 2024

NORTHERN SUPERIOR AND ONGOLD ANNOUNCE APPOINTMENT OF CEO AND PROVIDES LISTING UPDATE

May 7, 2024

SUPERIOR AND ONGOLD ANNOUNCE CLOSING OF SPINOUT TRANSACTION RELATED TO TPK AND ONTARIO PROJECTS

April 30, 2024

NORTHERN SUPERIOR ANNOUNCES UPSIZING OF ONGOLD RESOURCES FINANCING AND RECEIPT OF LISTING CONDITIONAL APPROVAL

April 2, 2024

NORTHERN SUPERIOR ANNOUNCES NOMINATION OF KYLE STANFIELD AS CHIEF EXECUTIVE OFFICER OF SPINOUT COMPANY AND UNVEILS COMPANY NAME

February 21, 2024

NORTHERN SUPERIOR STRENGTHENS LEADERSHIP WITH APPOINTMENT OF ACCOMPLISHED CHIEF FINANCIAL OFFICER

December 19, 2023

NORTHERN SUPERIOR AND EVOLUTION MINING ENTER EARN-IN AND JOINT VENTURE AGREEMENT ON OCTOBER GOLD PROPERTY

November 6, 2023

NORTHERN SUPERIOR MAKES NEW DISCOVERY WITH 10.94 G/T GOLD OVER 7.0 METRES AND 1.66 G/T GOLD OVER 21.55 METRES AT CROTEAU PROPERTY

October 16, 2023

NORTHERN SUPERIOR FILES 43-101 TECHNICAL REPORT FOR 1,708,800 GOLD OUNCES IN INFERRED CATEGORY AND 278,900 GOLD OUNCES IN INDICATED CATEGORY AT 1.10 G/T IN PIT CONSTRAINED RESOURCE ESTIMATE AT PHILIBERT

September 22, 2023





# Recent News Releases

NORTHERN SUPERIOR ANNOUNCES 1,708,809 GOLD OUNCES IN INFERRED CATEGORY AND 278,921 GOLD OUNCES IN INDICATED CATEGORY AT 1.10 G/T IN MAIDEN NI 43-101 PIT CONSTRAINED RESOURCE ESTIMATE AT PHILIBERT

August 8, 2023

NORTHERN SUPERIOR REPORTS 2.93 G/T GOLD OVER 16.3 METRES, 1.30 G/T GOLD OVER 35.2 METRES AND 16.75 G/T GOLD OVER 2.5 METRES FROM THE GAP AND CORSAC FOX ZONES OF THE PHILIBERT PROJECT

July 17, 2023

NORTHERN SUPERIOR ANNOUNCES SPINOUT TRANSACTION FOR ONTARIO ASSETS, INCLUDING THE DISTRICT SCALE TPK PROJECT

July 10, 2023

NORTHERN SUPERIOR REPORTS POSITIVE METALLURGICAL TESTING WITH FLOTATION CONCENTRATE RECOVERIES UP TO 95.6%

July 6, 2023

NORTHERN SUPERIOR HIGHLIGHTS IMPRESSIVE RESULTS AND NEAR-TERM MILESTONES FOR THE PHILIBERT PROJECT

June 20, 2023

NORTHERN SUPERIOR REPORTS 2.11 G/T GOLD OVER 27.0 METRES, 1.28 G/T GOLD OVER 22.4 METRES AND 1.48 G/T GOLD OVER 16.0 METRES FROM THE ARCTIC FOX EXTENSION AND THE CORSAC FOX ZONE OF THE PHILIBERT PROJECT

June 13, 2023

NORTHERN SUPERIOR REPORTS 0.90 G/T GOLD OVER 59.0 METRES AND 0.73 G/T GOLD OVER 61.0 METRES FROM THE FALCON GOLD ZONE AND 1.84 G/T AU OVER 11.5 METRES FROM EXPLORATION DRILLING AT LAC SURPRISE

June 6, 2023

NORTHERN SUPERIOR REPORTS 2.13 G/T GOLD OVER 31.4 METRES AND 4.84 G/T GOLD OVER 3.9 METRES FROM THE RED FOX ZONE OF THE PHILIBERT PROJECT

May 11, 2023

NORTHERN SUPERIOR COMPLETES EARN-IN REQUIREMENTS FOR 75% OWNERSHIP OF THE PHILIBERT PROJECT FROM SOQUEM

May 2, 2023

NORTHERN SUPERIOR BOLSTERS QUEBEC STRATEGY WITH APPOINTMENT OF SEASONED EXECUTIVE JEAN LAFLEUR TO ITS TECHNICAL COMMITTEE

March 8, 2023

NORTHERN SUPERIOR ANNOUNCES CLOSING OF C\$5 MILLION NON-BROKERED PRIVATE PLACEMENT FINANCING WITH PARTICIPATION OF STRATEGIC INVESTORS AND INSIDERS

February 9, 2023

Let's dive into it...



# Philibert

9 km from IAMGOLD's Nelligan Project

“With the Philibert Project having already achieved considerable size on its first NI 43-101 resource, coupled with its **untapped potential**, a relatively **high-grade** nature for a bulk tonnage operation which, generally speaking, provides for shorter payback periods, and attributes such as a low nugget effect, a low overburden cover, and **favorable initial metallurgical** recovery results, it is clear that the Philibert Project has firmly established itself as a cornerstone of the Chibougamau Gold Camp, which is swiftly gaining recognition.”

- Simon Marcotte, President & Chief Executive Officer, Press Release, August 8, 2023

# Philibert

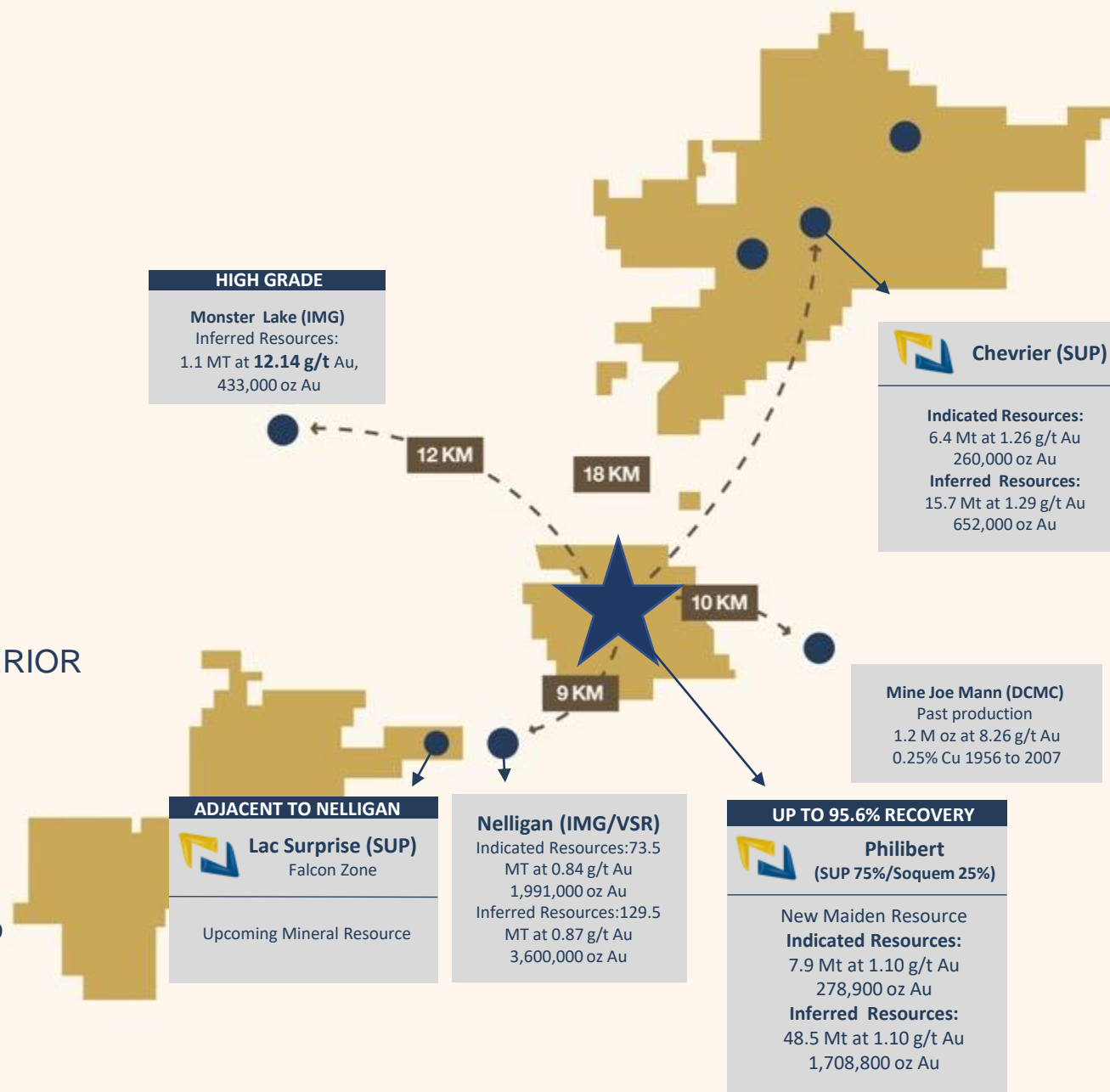
Located on the highly prospective Guercheville Fault Zone and central to many of the deposits with already defined gold resources

\$15,000,000 Spent on Exploration to Date  
A total of 77,000 metres of Drilling

9 km from the NELLIGAN project of IAMGOLD  
12 km from the LAC SURPRISE of NORTHERN SUPERIOR  
110 MINING TITLES covering ~5,392.57 ha

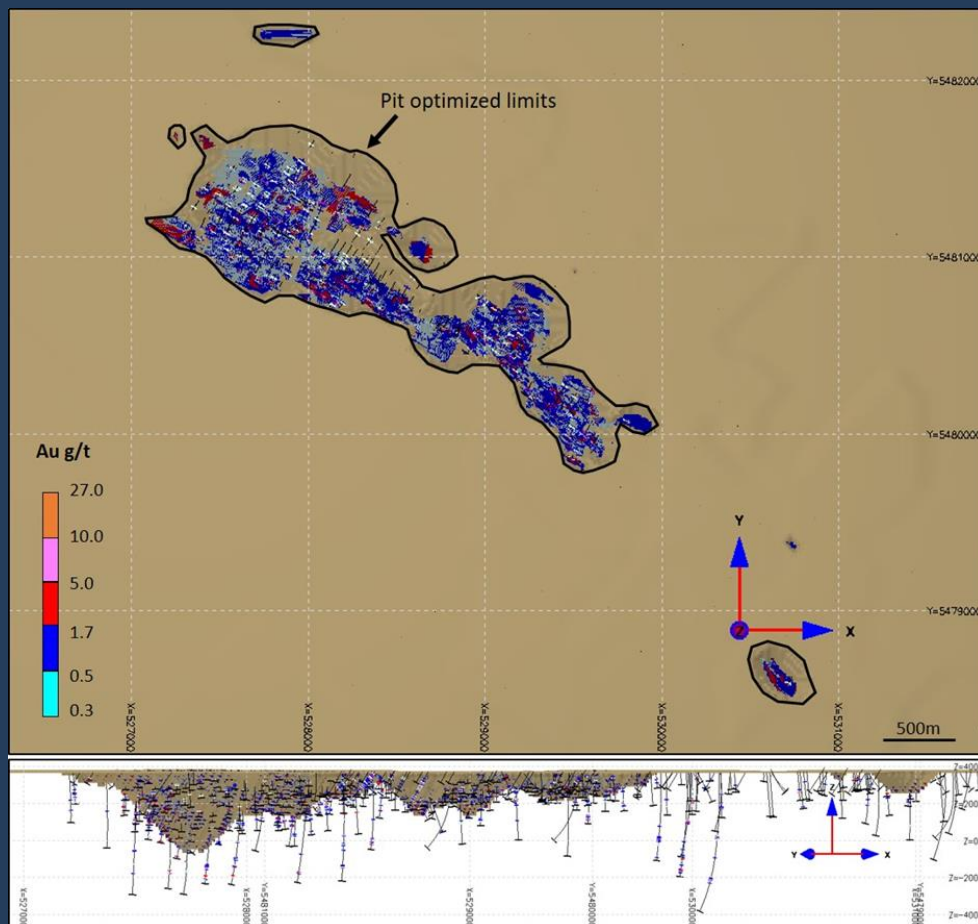
60 km southwest of CHIBOUGAMAU;  
project accessible year-round by All Weather Road

Joint Venture with SOQUEM (Investissement Quebec)  
Northern Superior currently owns 75% and an option to acquire the remaining 25% for \$3.5M





# Philibert INITIAL Mineralization of 3 km



## Positive Metallurgical Testing With Flotation Concentrate Recoveries up to 95.6%

- Arctic Fox South zone with 95.6% of the gold in 9.5% of mass;
- Arctic Fox North zone with 93.3% of the gold in 13.2% of mass; and
- Red Fox zone with 95.5% of the gold in 15% of mass.

Category	Pit-Constrained Resources <i>cut-off grade: 0.35 g/t Au</i>		
	Tonnes	Grade (Au g/t)	Gold (oz.)
Indicated	7,883,900	1.10	278,900
Inferred	48,464,900	1.10	1,708,800

Category	Cut-off Grade (g/t Au)	Tonnage (Mt)	Grade (g/t)	Contained Gold (oz)
Indicated	0.60	5,151,900	1.44	238,500
	0.50	6,066,400	1.30	253,600
	0.40	7,195,100	1.17	270,700
	0.35	7,883,900	1.10	278,900
	0.30	8,711,700	1.03	288,500
	0.20	10,842,100	0.87	303,300
Inferred	0.60	30,308,300	1.48	1,442,200
	0.50	35,904,800	1.33	1,535,300
	0.40	43,468,000	1.18	1,649,100
	0.35	48,464,900	1.10	1,708,800
	0.30	54,450,200	1.01	1,768,100
	0.20	71,156,300	0.83	1,898,800

Mineral Resources are reported at a cut-off grade of 0.35 g/t Au for the pit-constrained. This cut-off is calculated at a gold price of US\$1,746.58 with an exchange rate of 1.3 US\$/C\$ per troy ounce. The pit-constrained resources were based on the following parameters: mining cost 3.25\$/t, processing, transport + G&A costs \$15/t, Au recovery 93%, bedrock slope angle of 45 degrees. The mineral resource presented here were estimated with a block size of 5m X 5m X 5m for the pit-constrained. The blocks were interpolated from equal length composites calculated from the mineralized intervals. Prior to compositing, high-grade gold assays were capped to 26.74 g/t Au applied on 1-meter composites for the pit-constrained. The mineral estimation was completed using the inverse distance squared methodology utilizing three passes. For each pass, search ellipsoids followed the geological interpretation trends were used. For passe 1 and 2 a minimum of 4 composites and maximum of 12 composites with a maximum of 3 composites from the same drillhole (a minimum of two drillholes are needed to estimate each block). For passe 3 minimum of 3 composites and maximum of 6 composites were used. The Mineral Resources have been classified under the guidelines of the CIM Standards on Mineral Resources and Reserves, Definitions and Guidelines prepared by the CIM Standing Committee on Reserve Definitions and adopted by CIM Council (2014), and procedures for classifying the reported Mineral Resources were undertaken within the context of the Canadian Securities Administrators NI 43-101. The classification using a minimum of three drillholes within 30 metres of each other or less defines indicated resources. The inferred resources were classified using 1 pass extends by a maximum of 120 metres and 30 metres thick using one drillhole with a minimum of 2 composites. In order to accurately estimate the resources, the claim limits were taken into consideration for the pit optimization. Tonnage estimates are based on rock densities of 2.8 tonnes per cubic metre for all the zones. Results are presented undiluted and in situ and numbers are rounded to nearest hundred. Numbers may not total due to rounding. The metal contents are presented in troy ounces (tonnes x grade / 31.10348).

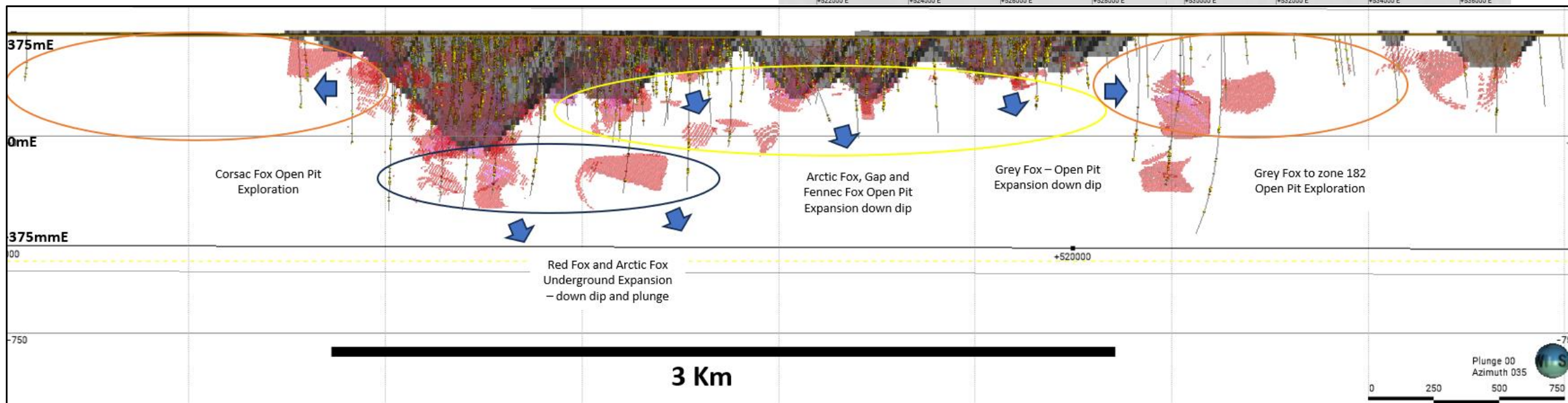
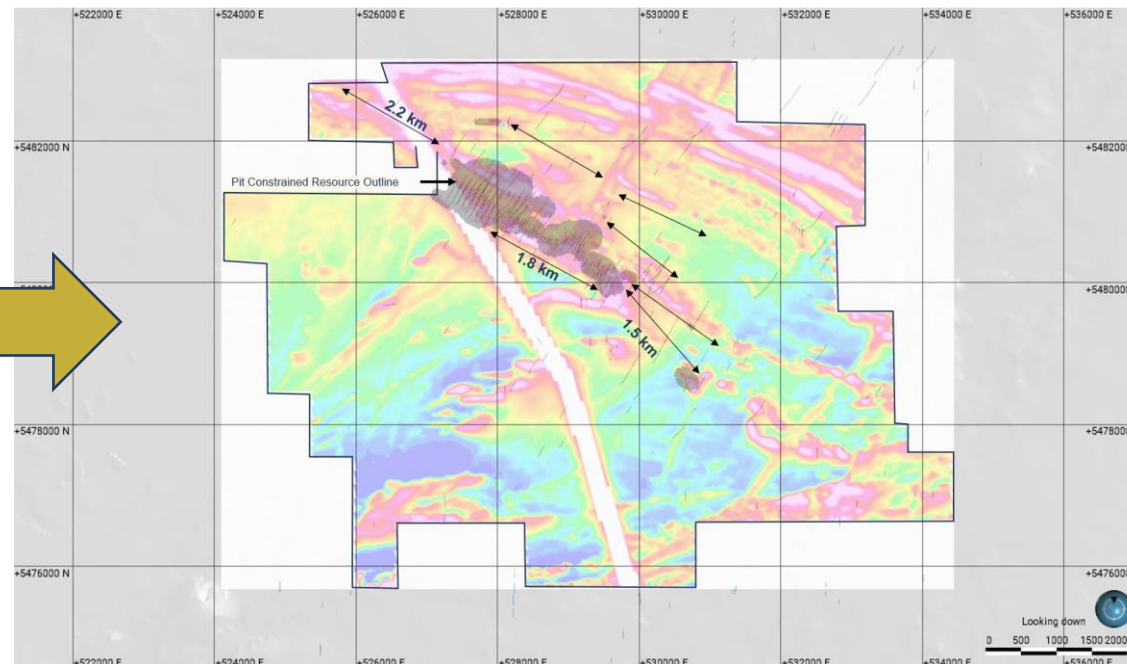
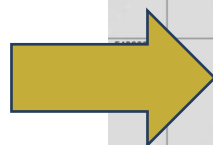


# Philibert

## Obvious Potential to Expand:

- IN-PIT by CONVERTING waste to ore
- Remains OPEN down dip and plunge within pit contained resource
- On ANOTHER 4 kilometres along strike
- Potential for parallel zones to REPLICATE the Philibert mineralization to the North

Strong magnetic signature associated to mineralized gabbro host within secondary structural splay off the Guercheville Fault Zone



# Philibert

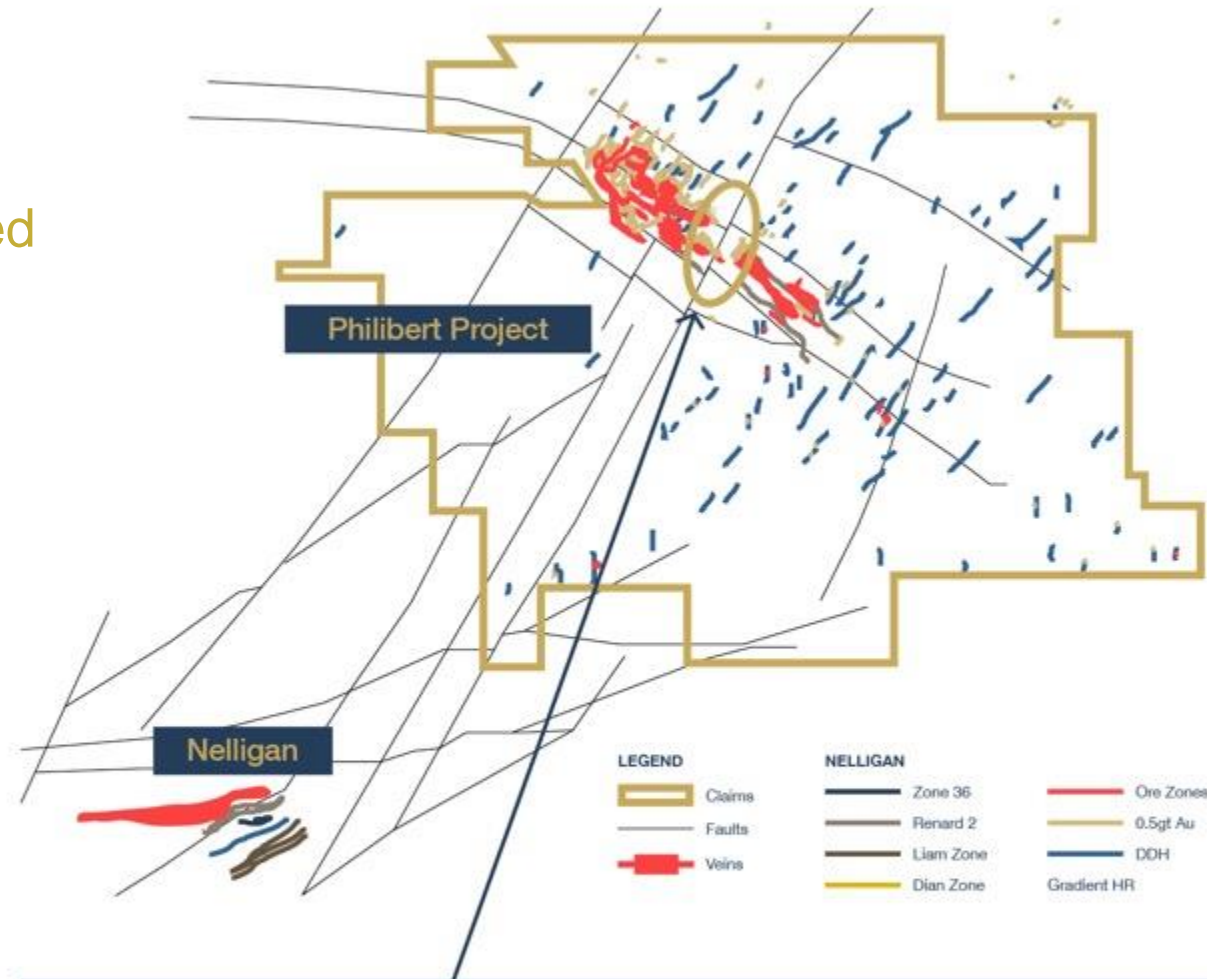
Wide zones of disseminated gold mineralization hosted in a fractionated gabbro sill part of the Obatogamau Formation.

## Highlight Historical Holes:

17.9m @ 8.05 g/t Au from 282m  
 54.5m @ 2.30 g/t Au from 32m  
 26.6m @ 3.99 g/t Au from 340.3m  
 9.0m @ 10.54 g/t Au from 44.0m  
 12.2m @ 5.82 g/t Au from 113.0m  
 19.9m @ 3.95 g/t Au from 412.1m  
 33.7m @ 1.97 g/t Au from 225.9m

## Highlight Holes from 2022:

21.5m @ 4.29 g/t Au from 78.5m  
 31.4m @ 2.13 g/t Au from 25.0m  
 35.6m @ 1.69 g/t Au from 26.5m  
 15.0m @ 3.86 g/t Au from 198.0m  
 10.0m @ 5.96 g/t Au from 180.0m  
 25.7m @ 2.20 g/t Au from 92.3m  
 27.0m @ 2.11 g/t Au from 127.0m  
 21.0m @ 2.44 g/t Au from 57.1m



Results in the FAULT AREA indicated the possibility of linking the mineralization of the northwest and southeast zones. Such connection was confirmed in the subsequent 43-101 Resource calculation



# Philibert

## SOQUEM – Option Agreement

50% secured with a total of \$3.5M of expenditures over 5 years - COMPLETED



Northern Superior acquired an additional 25% via an additional \$2M of expenditures (COMPLETED):  
 $50\% + 25\% = 75\%$

Remaining 25% can be acquired for a payment of \$3.5M to SOQUEM (2026):  
 $75\% + 25\% = 100\%$

SOQUEM is a leader in Quebec’s mineral exploration industry. As a subsidiary of Investissement Quebec, its mission is to promote the exploration, discovery, and development of the province’s mineral resources. The company has participated in hundreds of mining projects having led to major discoveries of various mineral deposits.

### NET SMELTER ROYALTIES

SOQUEM	VENDOR	RESULT
2% to 1% for \$1M	2% to 1% for \$2M	2% NSR

# Lac Surprise

Remarkable Gold Opportunities in the Highly  
Prospective Chibougamau Camp

Northern Superior discovered the Falcon Gold  
Zone Adjacent to Nelligan of IAMGOLD





# Lac Surprise

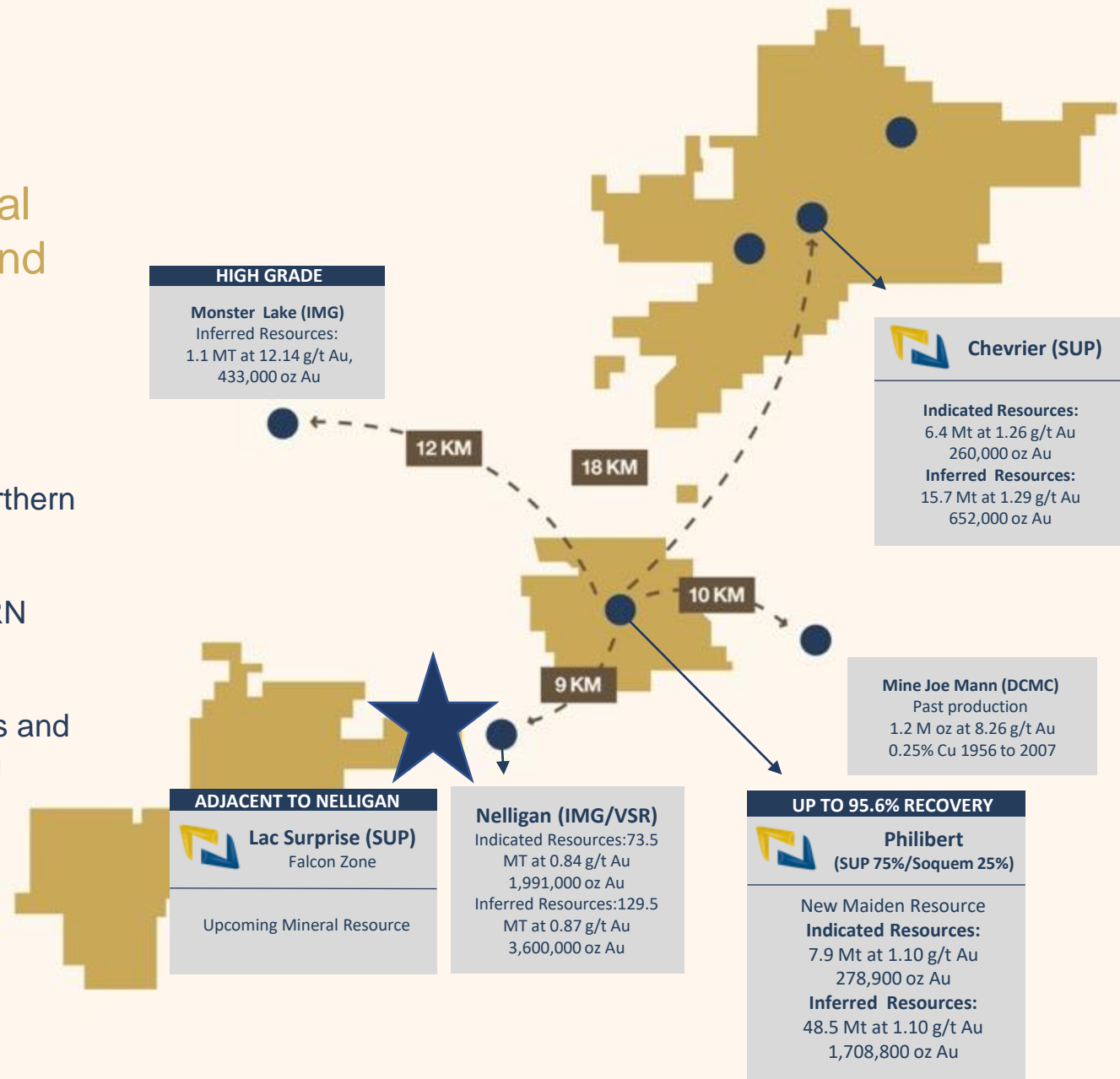
Large property covering key structural breaks in the Chibougamau Camp and adjacent to Nelligan

**2 km** from the NELLIGAN project of IAMGOLD

Large property totalling 152 km<sup>2</sup> 100% owned by Northern Superior and accessible year-round by road access

12 km from the PHILIBERT PROJECT of NORTHERN SUPERIOR

Large regional geochemical and geophysical surveys and datasets completed over property for future targeting



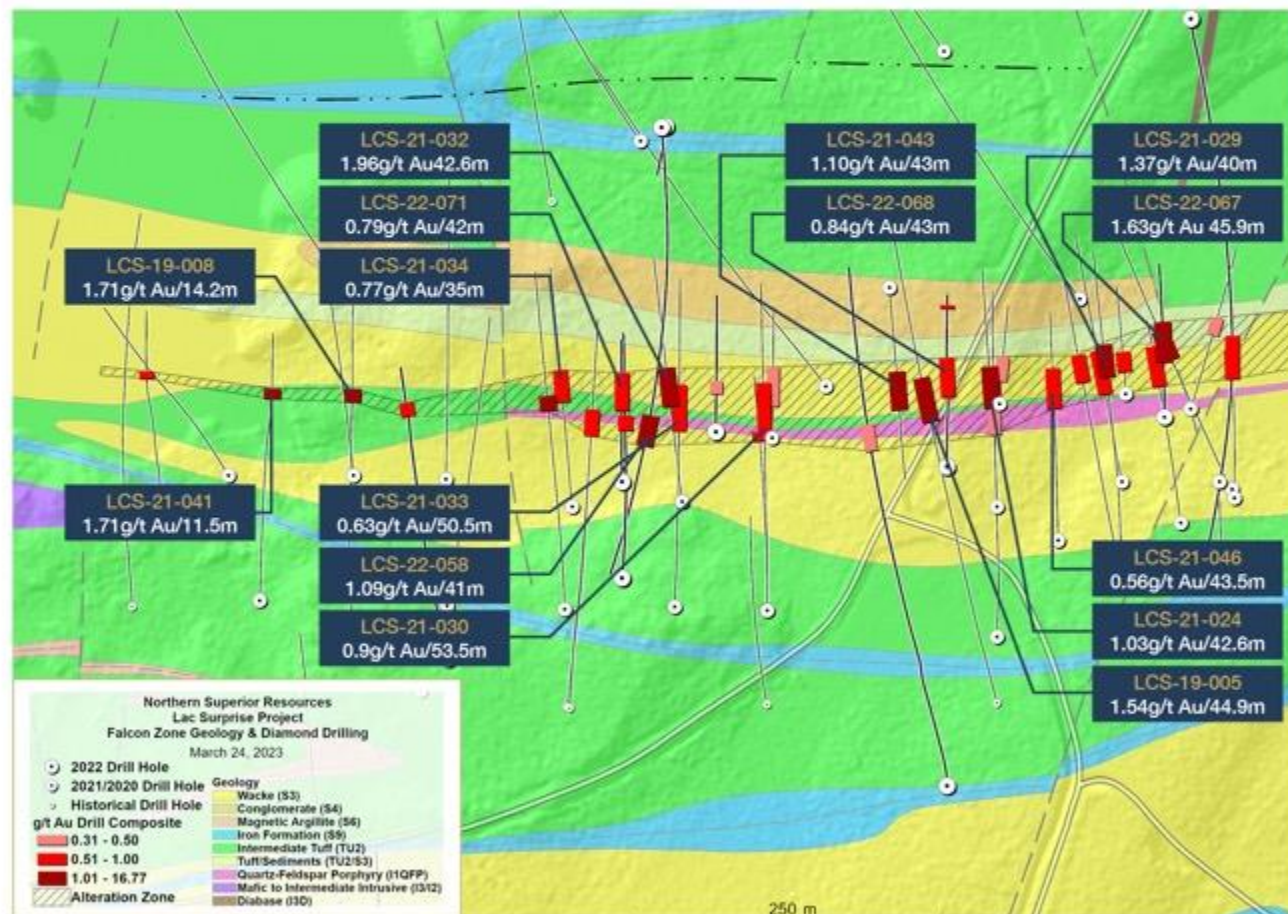
# Lac Surprise

## Targeting, Fingerprinting Nelligan

Falcon Gold Zone located within in the Druillettes syncline an E-W regional D2 fold also hosting the Nelligan deposit.

Robust continuity defined **over 900 metres along strike and up to 300 metres depth**

Geophysical inversion work on Nelligan critical in the discovery of the Falcon Gold Zone. The magnetic signature and fault orientation are now being used to identity new targets on Northern Superior's properties in the Chibougamau camp.



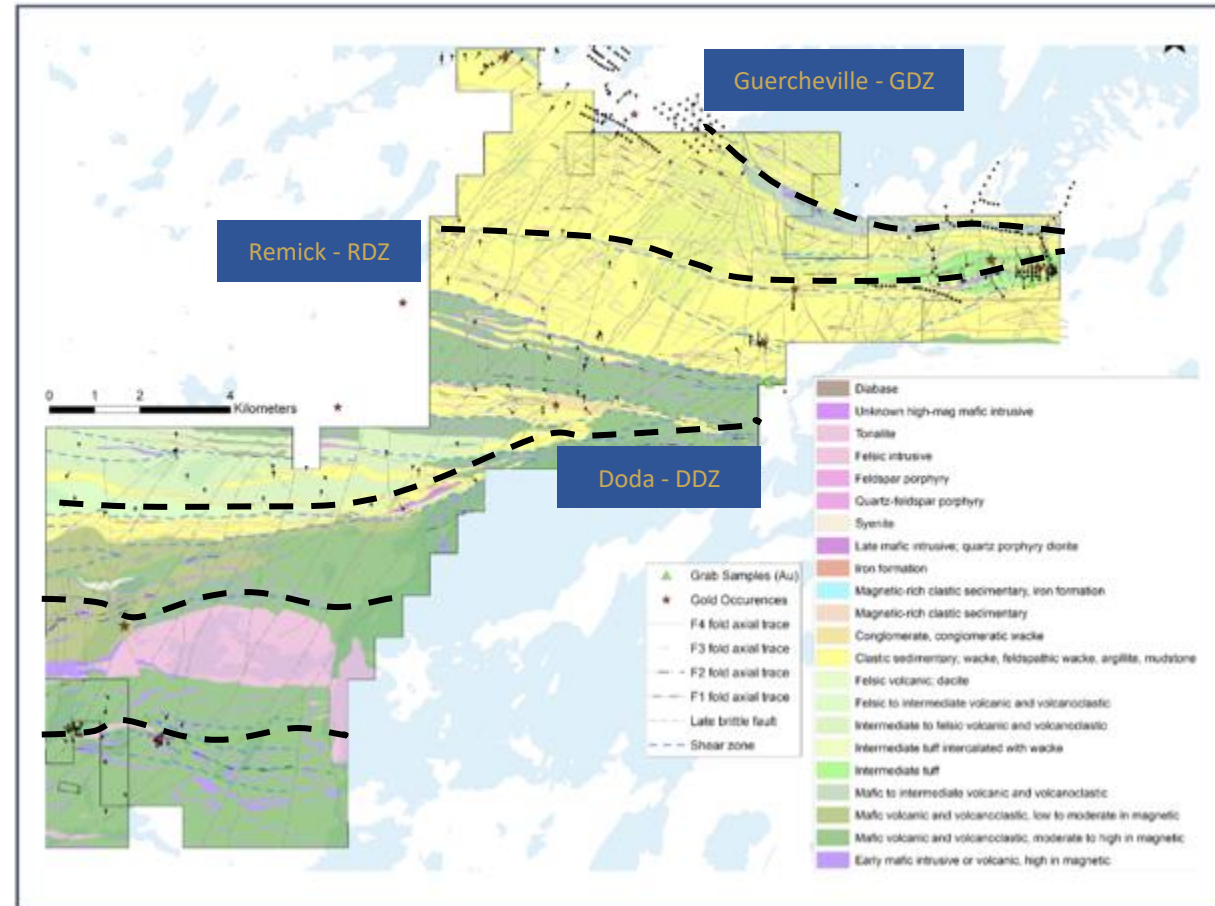
# Lac Surprise

Large property covering prospective structural breaks like the Guercheville, Remick and Doda shear zones

Maiden Mineral Resource Planned  
Falcon Gold Zone

Exploration  
Potential parallel systems to Falcon

Recent surveys completed to target  
other key breaks on the property  
2021 Drone Survey  
2022 IP and magnetometer survey





# Chevrier

A gold resource already defined with “Blue Sky” potential and a large property position covering highly prospective targets like the Fancamp Deformation Zone set for new discoveries

Only 18 km from Philibert





# Chevrier

Large property in key area of the Chibougamau Camp

## Project Highlights

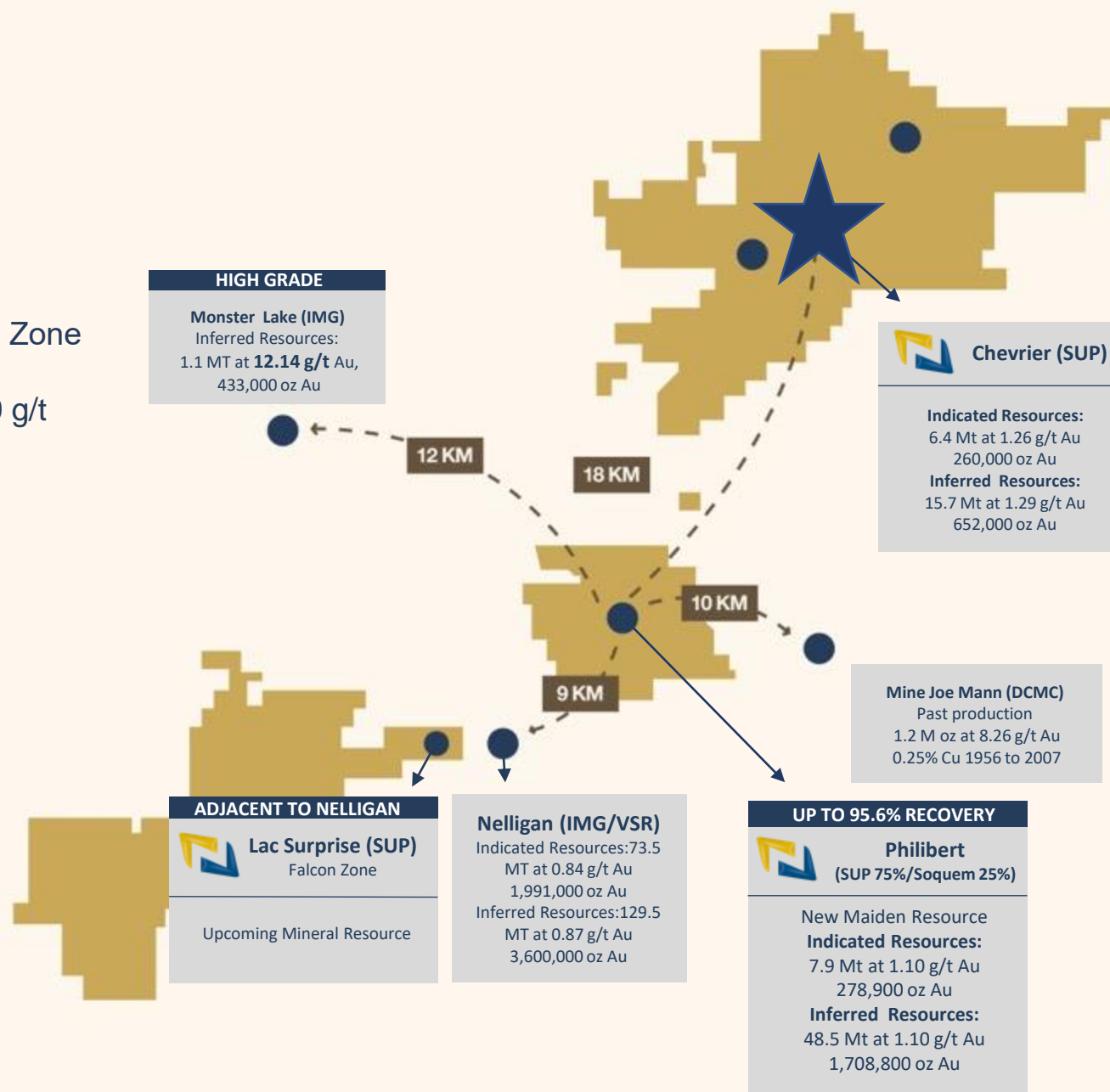
January 2022: updated NI 43-101 resource of Main Zone  
Total Indicated Resources: 6.4 Mt at 1.26 g/t Au for 260,000 oz Au; Inferred Resources: 15.7 Mt at 1.29 g/t Au for 652,000 oz Au

## Location & Property

~35 km to southwest of Chibougamau, project is accessible year-round by road access

## Key Deposits

Property covers 15 km of the Fancamp Deformation Zone host to **Monster Lake - IMG**  
Main Zone: steeply-dipping high-grade quartz-ankerite + tourmaline veins over ~1.4 km x 200 m (included in current resource)  
South Zone: adjacent to Main Zone, disseminated gold zones (up to 30 m thick), similar to Philibert style mineralization  
East Zone: 6 shear zones over 750 m down-dip; exploration targets of gold in till anomalies



# Chevrier

## 2022 Resource Update

- In January 2022, announced **a 77% increase in open pit resources and a 39% increase in total gold resources<sup>1</sup>**
- Main Zone comprised of 10 steeply dipping zones over 1,400 m by 200 m area
- Pit wall expanded, incorporating new & deeper zones
- Blue Sky potential with drill ready targets within and beyond the OP and UG resources

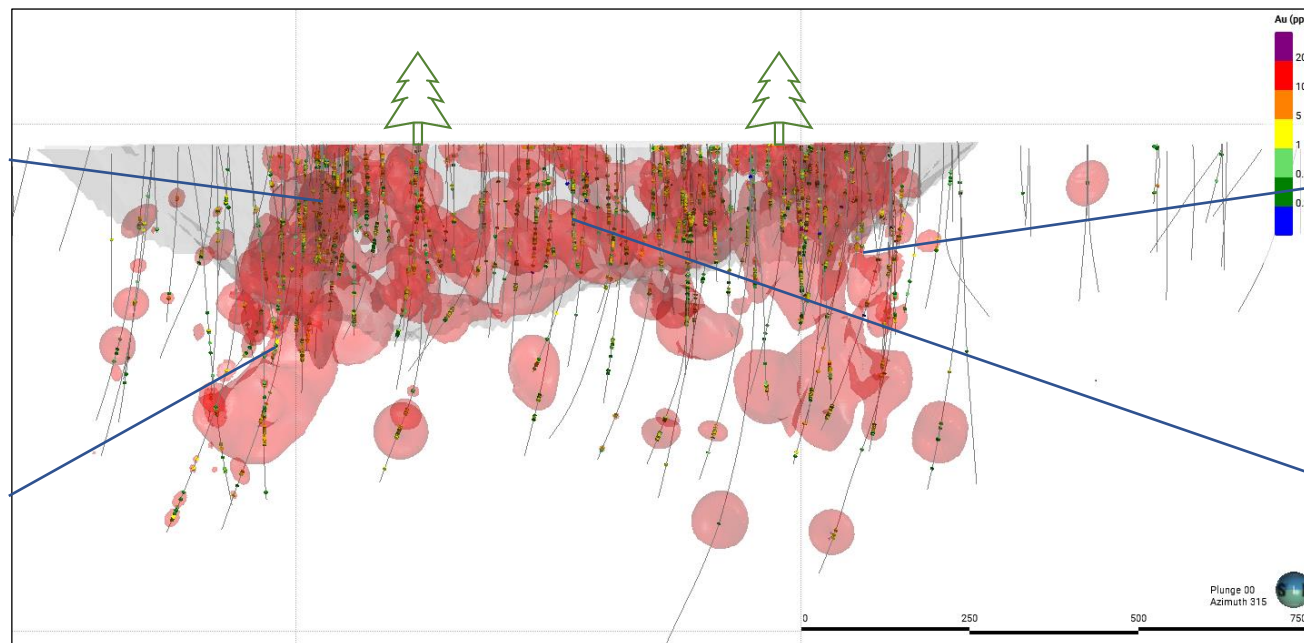
NI 43-101 Resource Estimate for the Main Zone				
Category	Cut-off (g/t Au)	Tonnes (000s)	Grade (g/t Au)	Contained (oz Au)
Open-Pit - Indicated	0.3	6.400	1.26	260,000
Open-Pit - Inferred	0.3	11.200	1.18	420,000
Underground (inferred)	1.0	4.460	1.62	232,000

1- See Northern Superior' press release dated September 23, 2022 and NI 43-101 Technical Report: "NI 43-101 Technical Report Mineral Resource Estimation for the Chevrier Main Deposit, Chevrier Project Chibougamau, Quebec, Canada" with an effective date of October 20, 2021. Resource estimate based on the following open pit and underground resource assumptions:

- Gold price of US\$1,800/oz
- Exchange rate of C\$1.30:US\$1.00
- Open pit mining cost of C\$2.60/tonne
- Underground mining cost of C\$50.00/tonne
- Processing and G&A cost of C\$20.00/tonne
- Mill recovery of 95%

40.5m @ 4.56 g/t Au  
48.1m @ 2.62 g/t Au  
70.8m @ 1.74 g/t Au  
37.4m @ 2.94 g/t Au  
22.6m @ 3.38 g/t Au  
21.4m @ 3.51 g/t Au  
22.3m @ 2.72 g/t Au  
12.7m @ 2.23 g/t Au

76.0m @ 1.93 g/t Au  
37.0m @ 2.07 g/t Au  
34.3m @ 2.07 g/t Au  
17.7m @ 3.49 g/t Au  
18.1m @ 3.40 g/t Au  
11.0m @ 4.80 g/t Au  
43.0m @ 1.23 g/t Au



70.8m @ 1.74 g/t Au  
53.8m @ 1.47 g/t Au  
38.4m @ 1.93 g/t Au  
32.3m @ 2.24 g/t Au  
45.5m @ 1.47 g/t Au  
38.3m @ 1.50 g/t Au  
44.5m @ 1.22 g/t Au  
30.0m @ 1.47 g/t Au

17.7m @ 4.27 g/t Au  
29.2m @ 2.45 g/t Au  
12.5m @ 4.05 g/t Au  
22.7m @ 1.97 g/t Au  
12.7m @ 2.23 g/t Au  
14.3m @ 3.00 g/t Au  
19.6m @ 1.76 g/t Au

Chevrier main zone – grade shells > 0.3 g/t Au; m/Au g/t using core length not true width

# Chevrier

## Near Term Resource Growth

### Chevrier South Zone

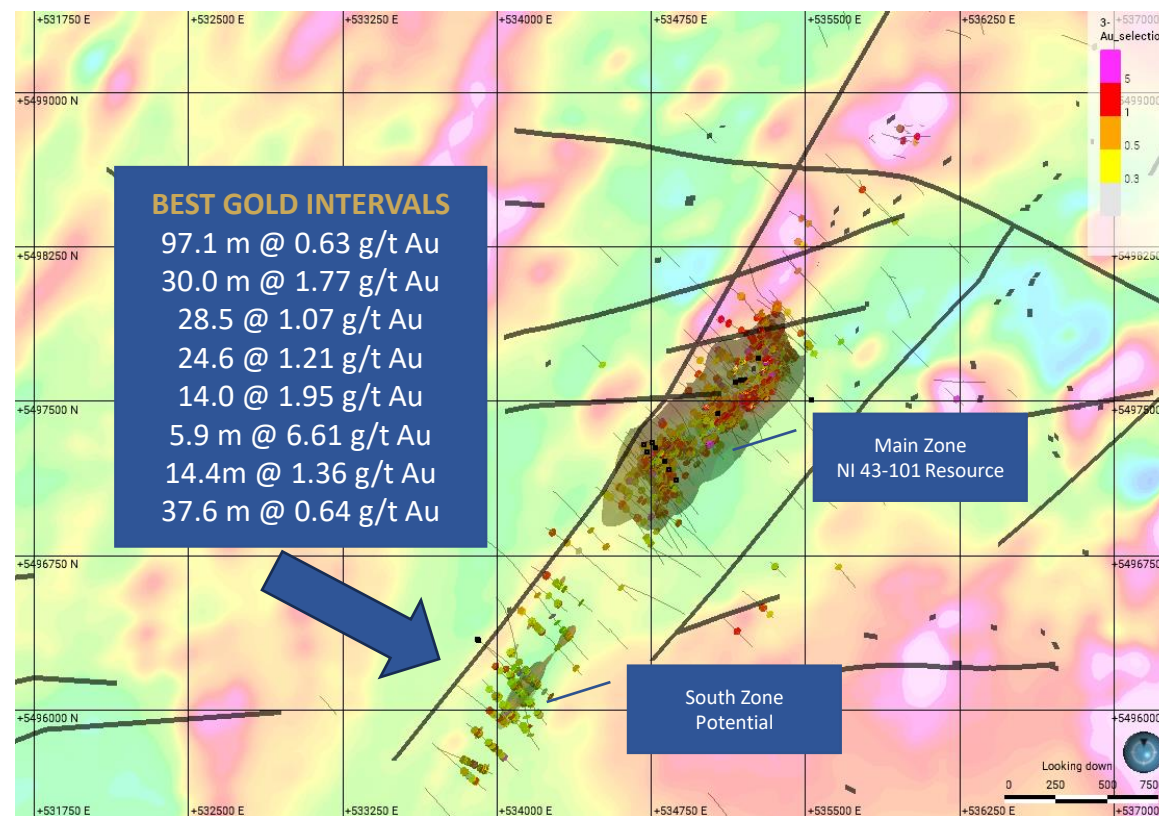
- Immediately SW and along strike of the Main Zone
- 15 of 18 drillholes returned intercepts over 0.5 g/t Au
- Identified 6 parallel zones over 1,200 m strike
- Disseminated style of mineralization similar to Philibert

### Chevrier East Zone

- 34 drill holes (8,520 m) and 133 surface channel samples
- Defined six shear zones over a 750 m strike
- Strong gold in till anomalies untested

Mineral Inventory for the South & East Zones				
Zone	Estimate	Tonnes (Mt)	Grade (g/t Au)	Potential (oz Au)
South Zone OP <sup>1</sup>	Low	13.0	0.70	293
	High	30.0	0.60	579
East Zone OP	Low	0.3	1.26	12
	High	0.4	1.23	16
East Zone UG	Low	0.2	1.25	8
	High	0.7	1.20	27
Total	Low	13.5	-	313
	High	31.1	-	622

Calculated within pit shells using gold prices of US\$1,700 and US\$1,870/oz and cut-off grades of 0.30 g/t



# Chevrier

## Regional Targets Across This District Scale Property (290 km<sup>2</sup>)

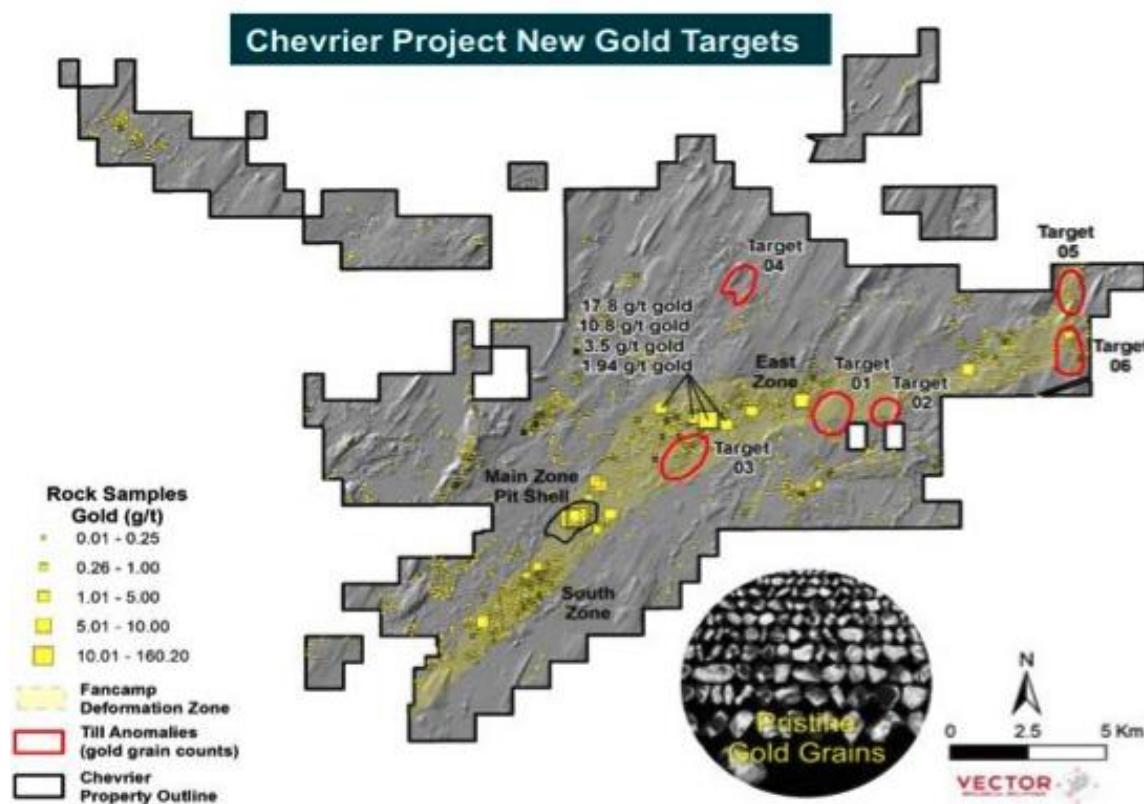
Property is host to parallel breaks with over 20 km of largely untested potential

Identified 23 gold targets, including 6 high priority targets

Targets identified through systematic programs carried out since 2019

Genesis has completed regional programs including mapping, property-scale gold-in-till surveying, soil sampling and IP surveying

Genesis completed an initial ~3,400 m drill program in 2021 testing priority 1 target areas, where anomalous gold mineralization was identified





# Croteau

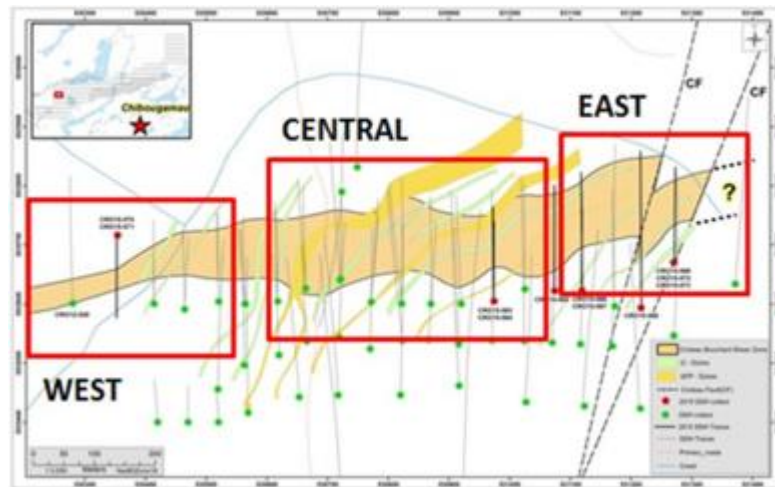
A gold resource already defined with remarkable “Blue Sky” potential... In the Highly Prospective Chibougamau Camp

To the Northeast of Nelligan, Philibert and Lac Surprise



# Croteau

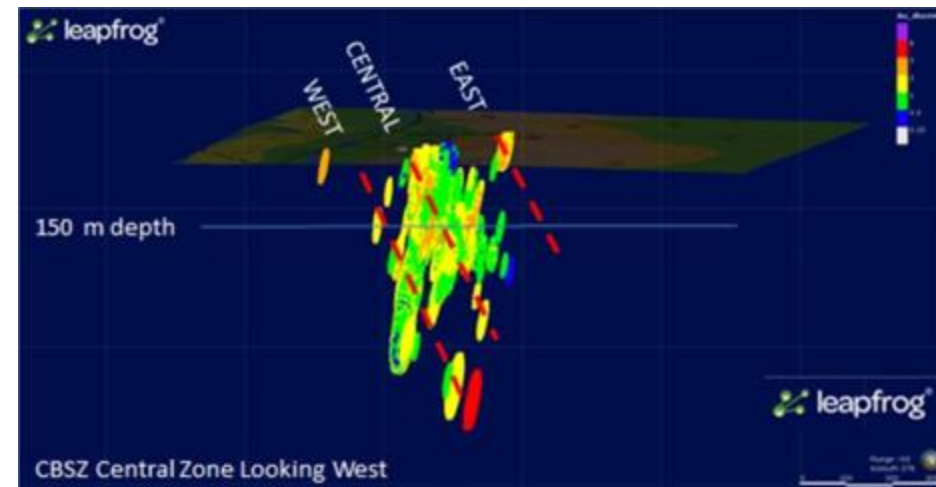
Existing Discovery and NI 43-101 Compliant, Inferred Mineral Resource on the Croteau-Bouchard Shear Zone (“CBSZ”)



## Central (~550m strike by 150m width)

Gold cut-off of 1.0 g/t Au, 11.6 million tonnes, grade 1.7 g/t Au; yielding 640,000 ounces of gold;

Additional unclassified component of 270,000 ounces of gold.



Resource based on 64 holes (20,643 m) with 50 m spacing:

CBSZ ~1.1 km long, open along strike, both directions;

Only one hole to 575 m (all others < 350 m), open at depth.

# Croteau

## Cracking the High-Grade Code

### High Grade Boulders

15.0 g/t Au

52.8 g/t Au

68.7 g/t Au

58.8 g/t Au

### High Grade Trench Samples

7.9m @ 12.8 g/t Au, including 1.0m @ 92.57g/t Au

33.8m @ 1.93 g/t Au, including 12.3m @ 3.23 g/t Au and including 11.0m @ 2.01 g/t Au

### High Grade Intersections from Resource Drilling at CBSZ

4.8m @ 75.44 g/t Au, including 0.8m @ 439.00 g/t Au

19.6m @ 8.02 g/t Au, including 1.0m @ 70.40 g/t Au

9.1m @ 11.06 g/t Au, including 2.0m @ 43.75 g/t Au

6.0m @ 61.24 g/t Au, including 0.5m @ 705 g/t Au

8.0m @ 7.50 g/t Au, including 1.0m @ 56.40 g/t Au

34.6m @ 1.99 g/t Au, including 2.4m @ 9.46 g/t Au

8.8m @ 12.76 g/t Au, including 4.2m @ 19.51 g/t Au

5.8m @ 12.74 g/t Au, including 1.9m @ 37.81 g/t Au

6.0m @ 4.58 g/t Au, including 1.0m @ 23.4 g/t Au

11.5m @ 5.80 g/t Au, including 3.8m @ 6.75 g/t Au

14.2m @ 3.30 g/t Au, including 0.4m @ 39.70 g/t Au



Photo of coarse visible gold in a quartz vein channel sample, Trench 3 – Croteau Bouchard Shear Zone, Croteau property. Grab sample assay, 92.57 g/t gold: channel sample average assay, 14.37 g/t Au/7.5 m.



# Croteau

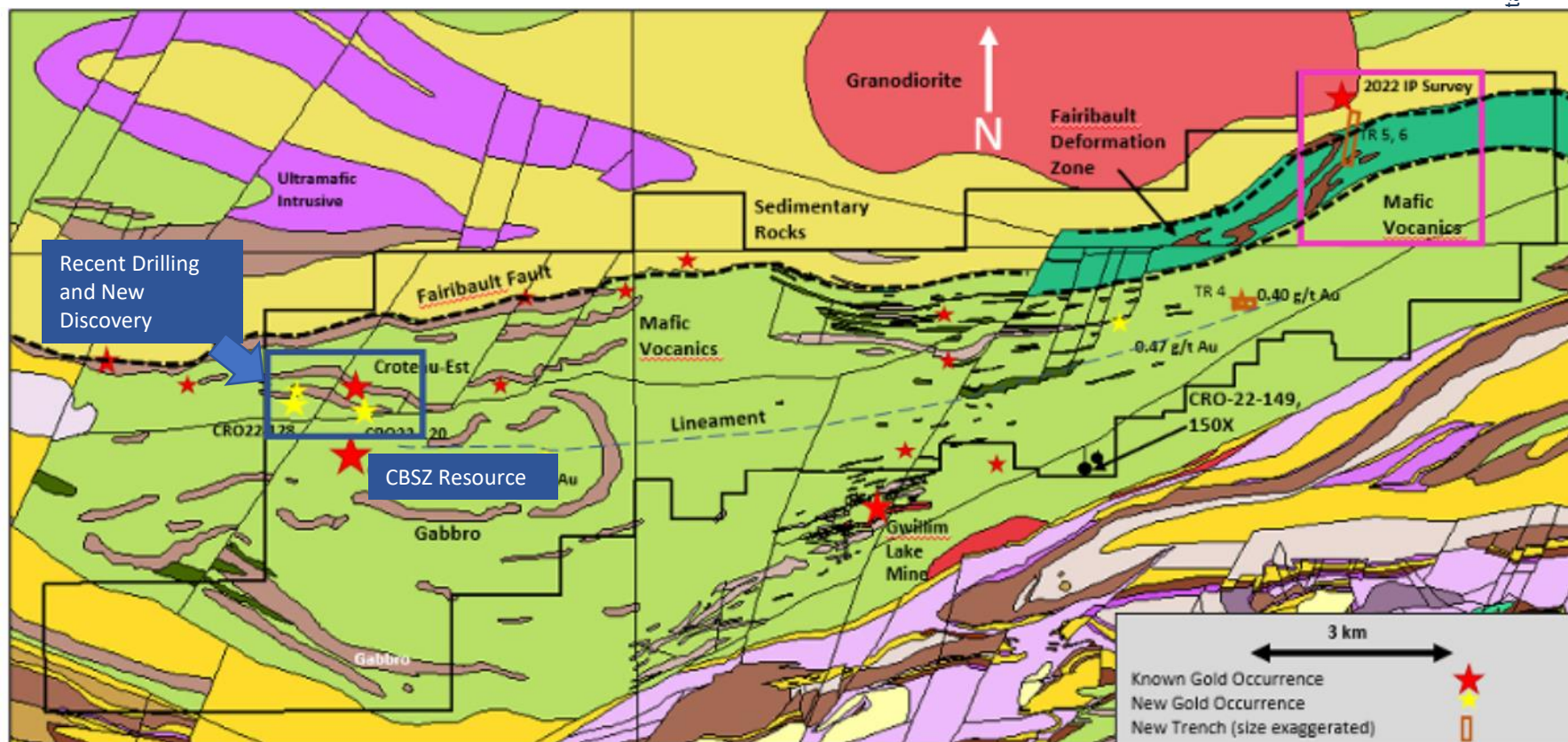
## Larger Gold Footprint outside of the Croteau-Bouchard Shear Zone (CBSZ)

**New gold discovery** associated with CRO22-120, broad low-grade interval of **1.06 g/t Au over 26.3m**, including higher grade intervals of 1.92 g/t Au over 11.0m and 4.98g/t Au over 3.0m

**New high gold discovery** associated with CRO22-150 with **10.94 g/t Au over 7.0m** and another board low grade intersection of 1.66 g/t Au over 21.55m.

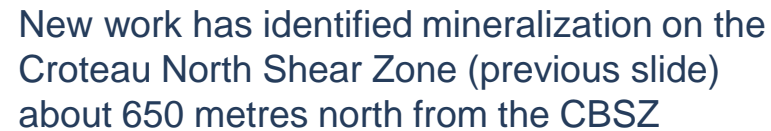
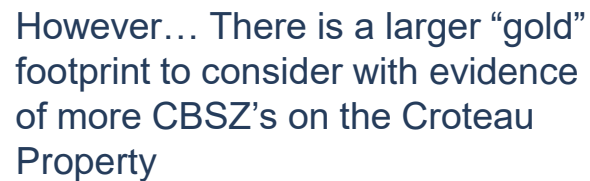
Lithologies and geochemistry observed from both the core and RC drilling programs in addition to the distribution of anomalous values of gold grains expands our understanding of the robust potential size of the large gold-bearing system associated with the CBSZ.

The new gold zones are > 650m from the CBSZ resource.





## Blue Sky Regional Potential



11 other similar opportunities with gold showings discovered especially at key intersections

# TPK

A truly unique, rare and remarkable district  
scale opportunity

# TPK

## GOLD

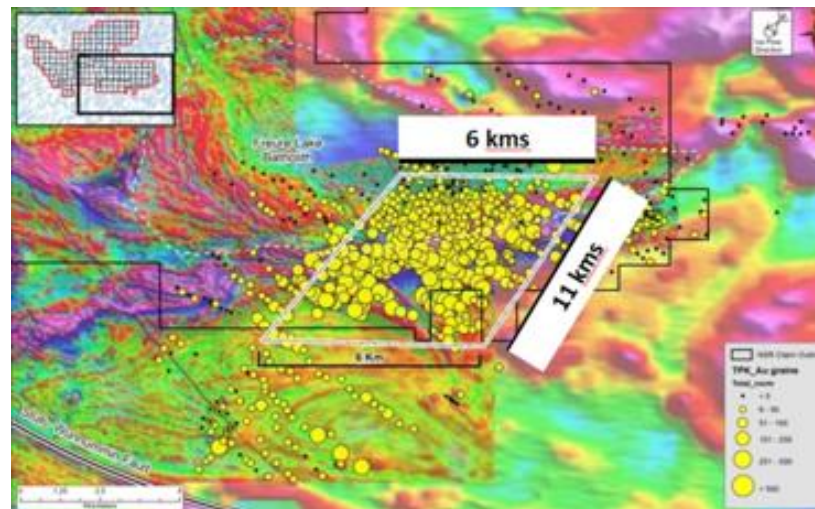


### Structural Setting

- Primary Structural Control:
- Gold-receptive splay shears off a major inflection, Stull-Wunnummin Fault.

### Comparable

- Malarctic - Val d'Or gold district on splays off major bend, Larder Lake-Cadillac Fault.



### Gold Grain-In-Till Dispersal Aprons/Corridors:

- Unique geological feature, largest in North-America
- Can only get this if there is significant gold exposed at the bedrock surface
- Most gold dispersal trains 200m x 3 km

Think District, Scale: Atlantic Gold/ Meadowbank/ Hope Bay/ Casa Berardi/ Aurion Resources/ Meliadine



ON GOLD  
RESOURCES LTD.



# TPK

## GOLD



### Gold-Mineralized Boulder Trains:

Embedded within gold grain-in-till dispersal apron;  
Several high-grade gold-bearing, boulder dispersal trains;

Boulder lithology and geochemistry reveals much regarding host rocks for the gold.



### High-Grade Gold Core:

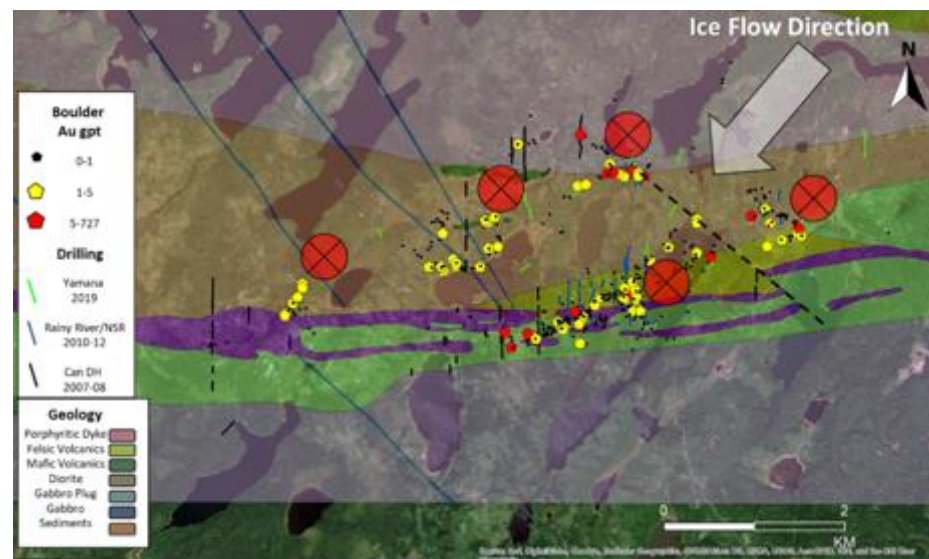
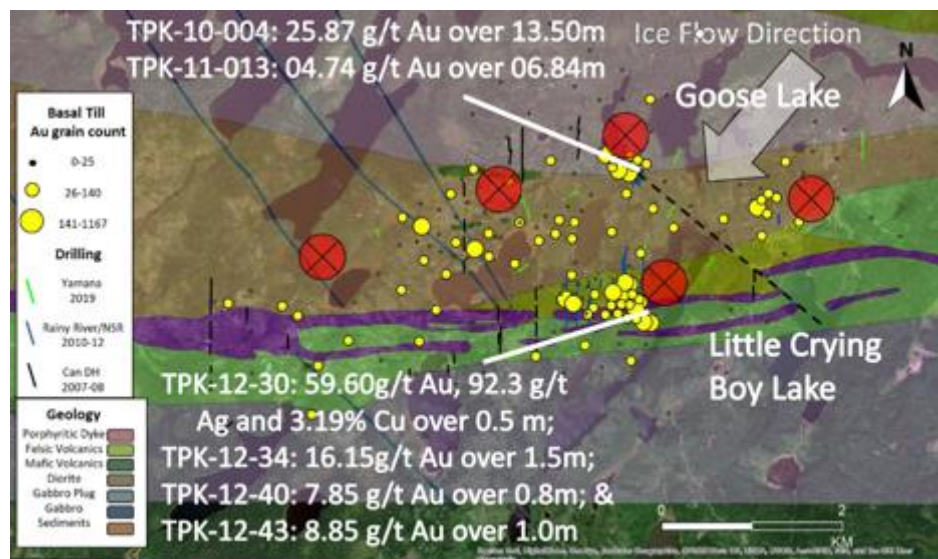
Multiple, significant gold discoveries already made, including: **25.87 g/t gold 13.45 m (TPK-10-004).**

(see Northern Superior press releases: December 13, 2010; November 17, 2017)



# TPK

## Targeting- Big Dam Area



### Basal Till

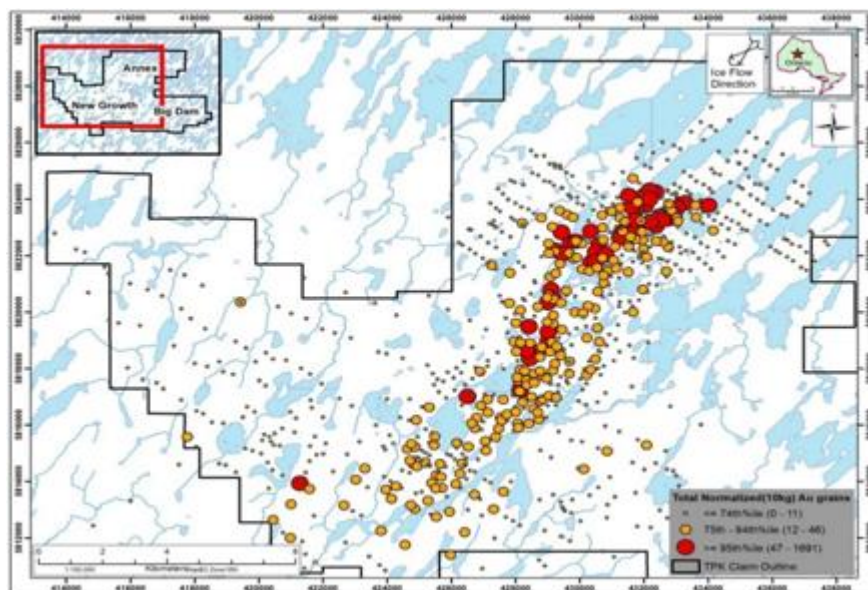
- Gold Grain Data
- Pathfinder elements (Arsenic)

### Boulder Gold Geochemistry

- High Grade Gold
- Pathfinder elements (Arsenic)

Highlighted Big Dam Gold Assays		
Year	Boulders	Gold
Collected	Collected	g/t
2010	484	94.2
2011	103	14.0
2012	255	24.7

Highlighted Meliadine Gold Assays		
Year	Boulders	Gold
Collected	Collected	g/t
2010	209	27.9
2011	87	6.81
2013	675	65.6
2014	248	14.4



- Keely Lake gold grain-in-till dispersal corridor (3.5 km wide, 13.5 km in length).
- Mineralized, large, tabular boulders returning assay values as high as **727 g/t gold, 111 g/t silver, and 4.05 % copper.**
- Several high-quality targets defined from geophysics, gold grains and mineralized boulders.
- Gold-silver-copper mineralization.

### Highlighted Annex Boulder with high Silver and Copper Assays

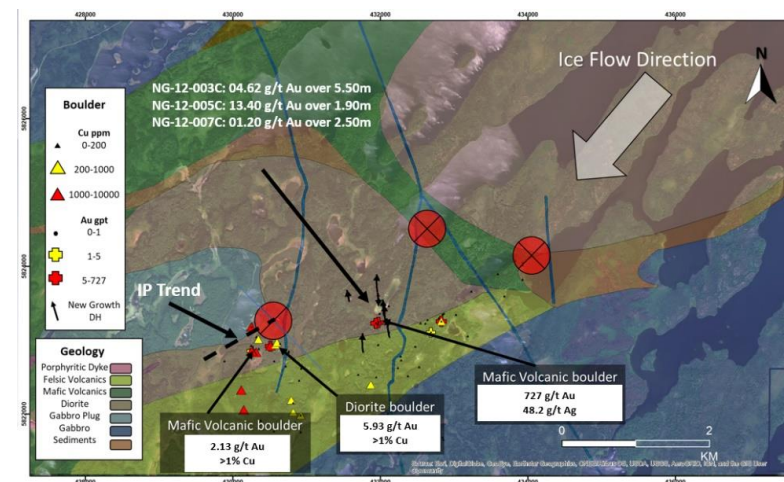
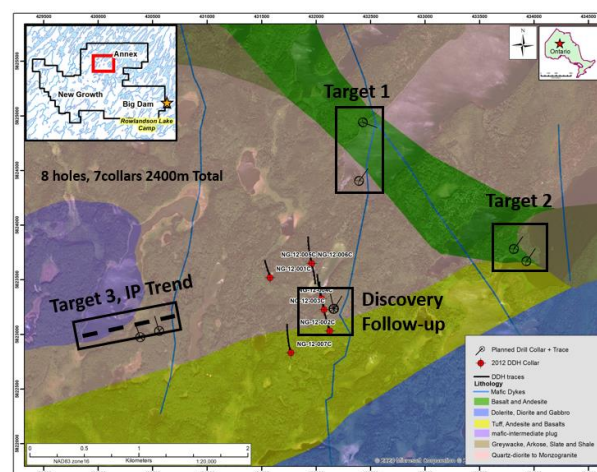
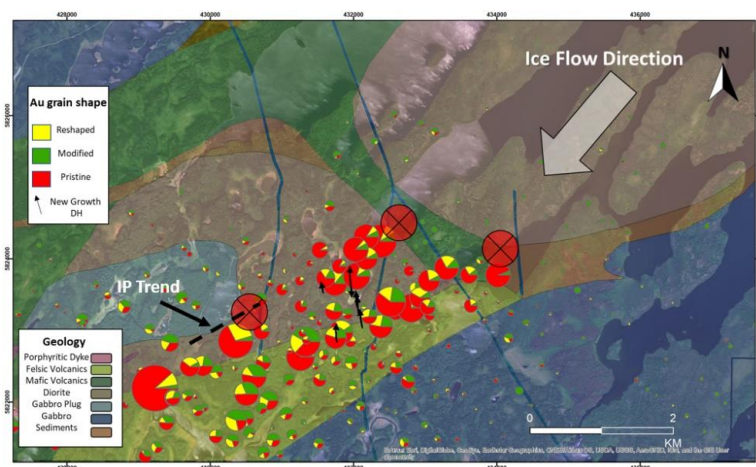
Year Collected	Boulders Collected	Silver ppm	Copper %	Au ppm
2011	101	53.7	1.92	5.93
		48.2	0.01	727.0
		46.0	2.35	3.37
		37.7	1.46	2.13
2017	186	48.0	3.42	3.79
		34.5	1.99	4.28

### Highlighted Annex Gold Assays

Year Collected	Boulder Collected	Gold g/t
2011	101	727
		280
		133
2017	186	46.9



## Targeting- Annex Area



### One discovery follow-up area and three target areas defined:

- Au- Ag targets associated with a basalt-andesite/ quartz diorite-monzogranite contact
- Au- Cu target associated with a dolerite-diorite-gabbro/quartz-diorite monzogranite contact.
- Discovery follow-up drilling proposed to understand orientation of local structure associated with hole NG-12-003C, 4.63g/t Au over 5.50m.

# October

Large property position in the  
prospective Swayze Belt – Timmins  
Gold Camp



ON GOLD  
RESOURCES LTD.



# October

## Large property in the underexplored Southern Swayze Belt – Timmins Gold Camp

Large land package of 36\*48 km totaling 267 km<sup>2</sup>

Year-round access to the property. Located approximately 100 km southwest of Timmins, Ontario and 162km northwest of Sudbury, Ontario.

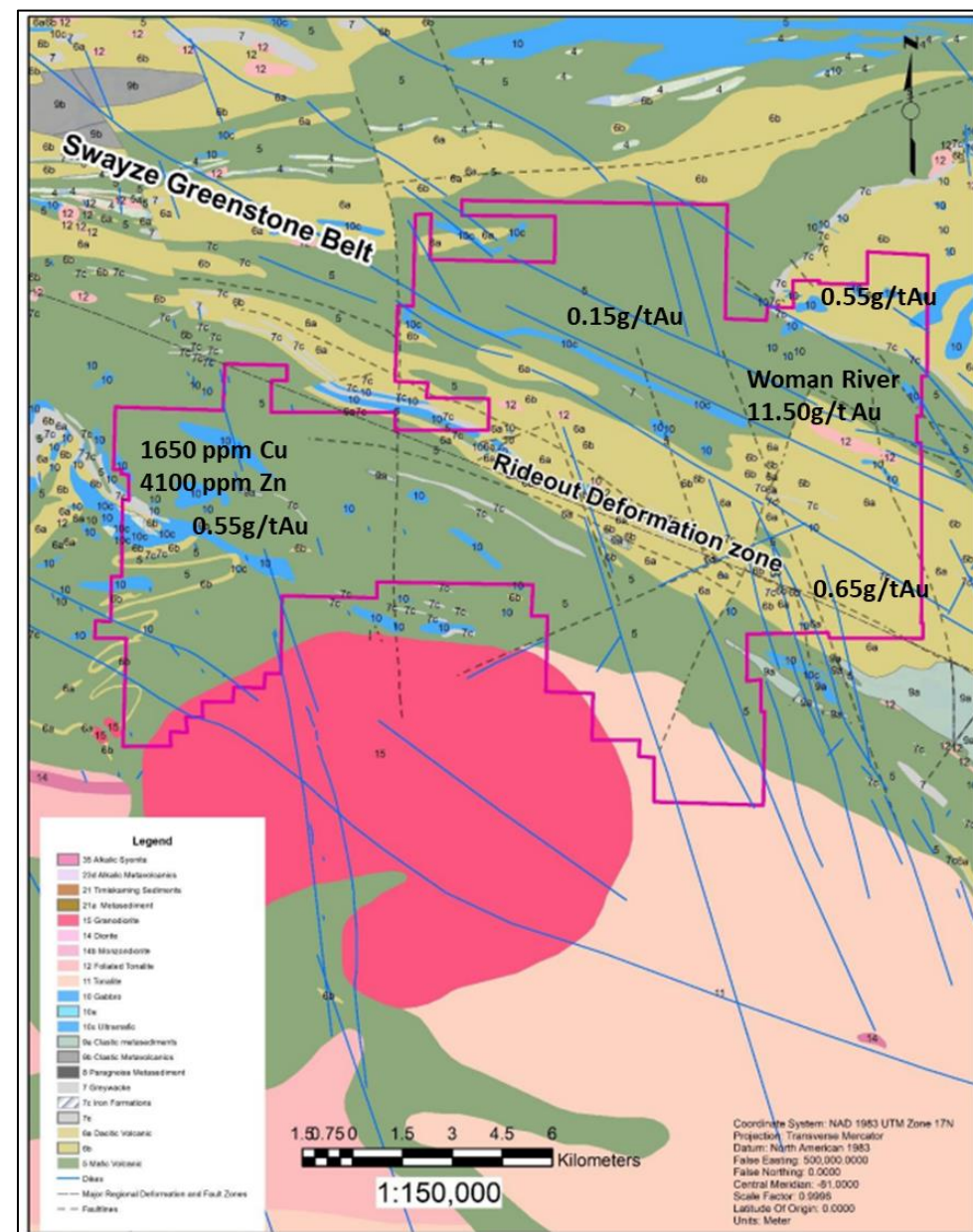
New access routes to the property from recently constructed logging roads opening access to areas previously requiring helicopter supported work.

Property is on trend of the **Borden Lake Mine - Newmont Gold** currently in production and **Cote Lake Mine - IAMGOLD** currently in production

Geologically the property is located in highly prospective Swayze Belt now estimated to have 15M + ounces of gold endowment.

Property strategically covers > 10 km of the Rideout Deformation Zone host of Cote Lake Gold deposit.

Historic work on the property identified a number of significant gold and base metal showings including the Women River Showing with grab samples returning > 16 g/t gold





NORTHERN  
SUPERIOR  
RESOURCES

TSXV:SUP | OTCQB:NSUPF

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