

Recommendation: **Buy (S)**

 Target Price: **C\$1.50**

Current Price	C\$0.52	Shares Outstanding (MM)	
52 Wk High	C\$0.75	Basic	164.3
52 Wk Low	C\$0.28	Diluted	185.0
Cash (MM)	C\$8.0	Mgmt and Dir	39.6
Debt (MM)	C\$0.0	Mkt Cap. (MM)	C\$85.4
NAV	C\$1.50	EV (MM)	C\$77.5
P/NAV	0.35x	Total Resource	3.5MMoz
Total Return	188%	EV/Resource	\$16

MINING

## Northern Superior Resources Inc.

(SUP - TSX)

### Consolidating Ounces In The Chibougamau Gold Camp

Unless otherwise denoted, all figures shown in US\$

#### Investment Thesis:

Northern Superior has assembled a dominant land position in the Chibougamau Gold Camp with a substantial resource base across multiple properties (3.54 MMoz; with upside potential). Trading at an EV of \$78 MM and just \$16/oz in-situ, we believe the market is undervaluing this camp. In 2023, IAMGOLD paid \$41/oz to acquire Vanstar Resources' 25% interest in Nelligan, highlighting a substantial valuation disconnect, especially considering the potential for further resource growth.

#### Building Resources In The Chibougamau Gold Camp

After its acquisitions of Genesis Metals (Q1/22) and Royal Fox Gold (Q3/22), Northern Superior consolidated four of the more relevant gold deposits in the Chibougamau Gold Camp. The company's main properties now include Philibert (1.99 MMoz), Chevrier (0.91 MMoz), Croteau (0.64 MMoz) and Lac Surprise. Elsewhere in the camp, IAMGOLD owns the Nelligan (5.90 MMoz) and Monster Lake (0.43 MMoz) projects. There is now nearly 10.0 MMoz of highly consolidated gold resources located within a relatively contiguous area of the Chibougamau Gold Camp.

#### Development Potential In A Tier 1 Jurisdiction

In our view, these recent regional developments have laid the foundation for the next potential mining camp in Québec. The deposits are located within a relatively small radius, which lends itself to potential hub-and-spoke development, where numerous deposits could be mined to feed a centralized mill. The Chibougamau Gold Camp is in a Tier 1 mining jurisdiction, with all properties accessible by road, with nearby access to hydroelectricity and rail. Québec is one of the most sought-after jurisdictions in the world, with unmatched government support and a clear permitting framework. The existing resource at Philibert, combined with its considerable resource growth potential, its relatively high-grade nature for a bulk tonnage, open-pittable deposit, low nugget effect, low overburden cover, and favourable initial metallurgical results, makes this a cornerstone asset within the camp.

#### Well-Funded To Drill & Grow Resource Inventory

Following the completion of an C\$8.0 MM financing (Cormark acted as the sole underwriter on the transaction), which included C\$1.0 MM from insiders, Northern Superior is now well funded and aims to complete more than 20,000 m of drilling in the months ahead. We note that IAMGOLD is also drilling in the camp, with plans to drill more than 15,000 m in 2024.

#### Initiating Coverage With Buy (S) Rating & C\$1.50 Target Price

We are initiating coverage with a Buy (S) rating and a C\$1.50 target price that is generated using a 1.00x P/NAV multiple and represents upside of 188%. Our NAV of C\$1.50 is based primarily on an in-situ value of \$40/oz being ascribed to the 3.54 MMoz of current resources at Philibert, Chevrier and Croteau, which adds up to a total value of C\$191 MM. That in-situ value compares to the current average of \$48/oz of our explorer/developer comps under coverage and the \$41/oz that IAMGOLD paid to acquire Vanstar earlier this year.

#### Company Description:

Northern Superior is a gold exploration company focused on the Chibougamau Gold Camp in Québec, Canada. The company has consolidated the largest land package in the region, with total land holdings >60,000 ha. The main properties include Philibert, Lac Surprise, Chevrier, and Croteau. Northern Superior is also the largest shareholder of ONGold Resources (ONAU-TSXV), which is advancing the district scale TPK project in northern Ontario.

## Investment Highlights

### Executive Summary

Northern Superior is a gold exploration company focused on the Chapais-Chibougamau area of Québec. After its acquisitions of Genesis Metals (Q1/22) and Royal Fox Gold (Q3/22), Northern Superior successfully consolidated four of the more relevant gold deposits in the Chibougamau Gold Camp. The company's main properties now include Philibert (1.99 M Moz), Chevrier (0.91 M Moz), Croteau (0.64 M Moz) and Lac Surprise. Elsewhere in the camp, IAMGOLD owns the Nelligan (5.90 M Moz) and Monster Lake (0.43 M Moz) projects.

Less than two years ago, this sizable gold endowment was controlled by five separate companies. Today, it is controlled by just two: IAMGOLD and Northern Superior. There is now nearly 10.0 M Moz of highly consolidated gold resources located within a relatively contiguous area of the Chibougamau Gold Camp (Figures 1-2), with significant runway for further resource growth. In our view, these recent regional developments have laid the foundation for the next potential mining camp in Québec. The deposits are located within a relatively small radius, which lends itself to potential hub-and-spoke development, where numerous deposits could be mined to feed a centralized mill.

The Chibougamau Gold Camp is in a Tier 1 mining jurisdiction, with all properties accessible by road, with nearby access to hydroelectricity and rail. Québec is one of the most sought-after jurisdictions in the world, with unmatched government support and a clear permitting framework.

Following the completion of an C\$8.0 MM financing (Cormark acted as the sole underwriter on the transaction), which included C\$1.0 MM from insiders, Northern Superior is now well funded and aims to complete more than 20,000 m of drilling in the months ahead. The drilling this year will primarily focus on the Philibert project given the resource growth potential.

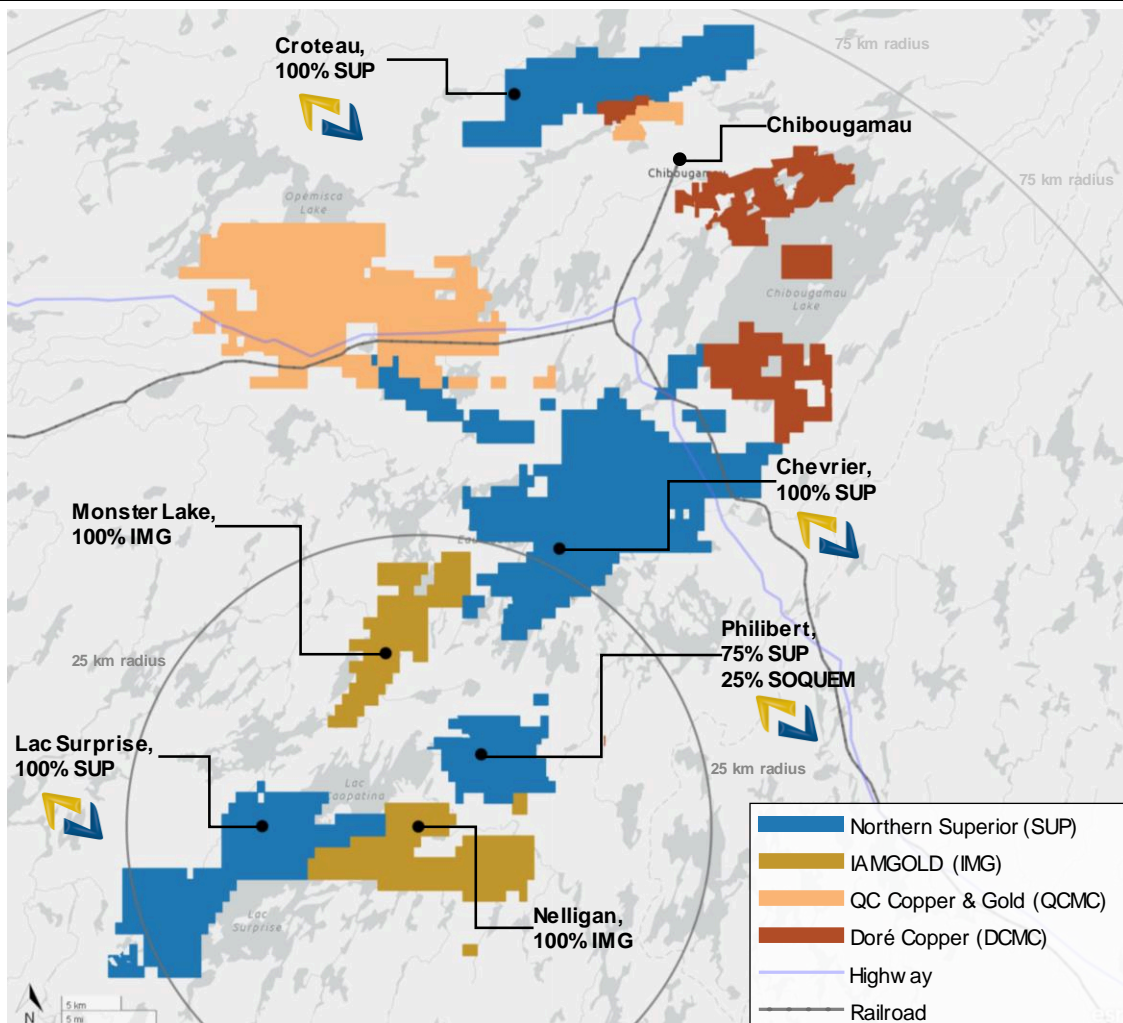
Philibert's relatively high-grade for a bulk tonnage, open-pit deposit, low overburden cover, and favorable initial metallurgical results make it a cornerstone asset within the Chibougamau Gold Camp. Given all the exploration targets, we see the potential to define an incremental 1.0-1.5 M Moz of resources at Philibert alone.

A key feature of the Philibert deposit is its insensitivity to cut-off grade. Increasing the cut-off grade to 0.50 g/t (from 0.35 g/t) only reduces the total ounces by 10% to 1.79 M Moz (from 1.99 M Moz), but also increases the grade by 21% to 1.33 g/t (from 1.10 g/t), which would be 56% higher than the grade of the nearby Nelligan deposit. In our view, this increases the Philibert deposit's strategic importance to the overall Chibougamau Gold Camp, and, therefore, any potential camp consolidator.

Another important feature is the deposit's uncomplicated metallurgy, allowing for further optimization of the Camp's resources. While preliminary metallurgical testwork at Nelligan shows decent recovery potential through a combination of floatation, regrinding, and cyanidation, the Philibert deposit achieved higher initial floatation concentrate recoveries (up to 95.6% vs. ~84% for Nelligan). While more additional metallurgical testwork is required at both deposits, initial results suggest Philibert has more favorable ore characteristics, which has the potential to result in simpler and less costly processing, further increasing its importance to the camp.

We are initiating coverage with a Buy (S) rating and a C\$1.50 target price that is generated using a 1.00x P/NAV multiple and represents upside of 188%. Our NAV of C\$1.50 is based primarily on an in-situ value of \$40/oz being ascribed to the 3.54 M Moz of the current resources at Philibert, Chevrier and Croteau, which adds up to a total value of C\$191 MM. That in-situ value compares to the current average of \$48/oz of our explorer/developer comps under coverage and the \$41/oz that IAMGOLD paid to acquire Vanstar Resources' 25% interest in Nelligan earlier this year. Trading at an EV of \$78 MM and just \$16/oz in-situ, we believe the market is undervaluing this camp.

**Figure 1** Map Of The Chibougamau Gold Camp



Source: Cormark Securities Inc., Northern Superior Resources Ltd.

**Figure 2** Key Deposits Within The Chibougamau Gold Camp

Asset	Ownership	Resource		Notes
		Contained	Grade	
Nelligan	100% IMG	5.90 MMoz	0.85 g/t	- Center of gravity in Chibougamau Gold Camp
Philibert	75% SUP 25% SOQUEM	1.99 MMoz	1.10 g/t	- Open along strike, down-dip, and down-plunge - Remaining 25% can be acquired for C\$3.5 MM in 2026
Lac Surprise	100% SUP	n/a	n/a	- Adjacent to Nelligan, adding 1.4 km of mineralization
Monster Lake	100% IMG	0.43 MMoz	12.14 g/t	- Updated resource expected in mid-2024
Chevrier	100% SUP	0.91 MMoz	1.28 g/t	- 290 km <sup>2</sup> land package - Resource potential from the South deposit to the SW
Croteau	100% SUP	0.64 MMoz	1.73 g/t	- Open along strike, both directions - Open at depth (one hole to 575 m, all others <350 m)
<b>Total:</b>		<b>9.87 MMoz</b>		
<b>Total (Northern Superior):</b>		<b>3.54 MMoz</b>		

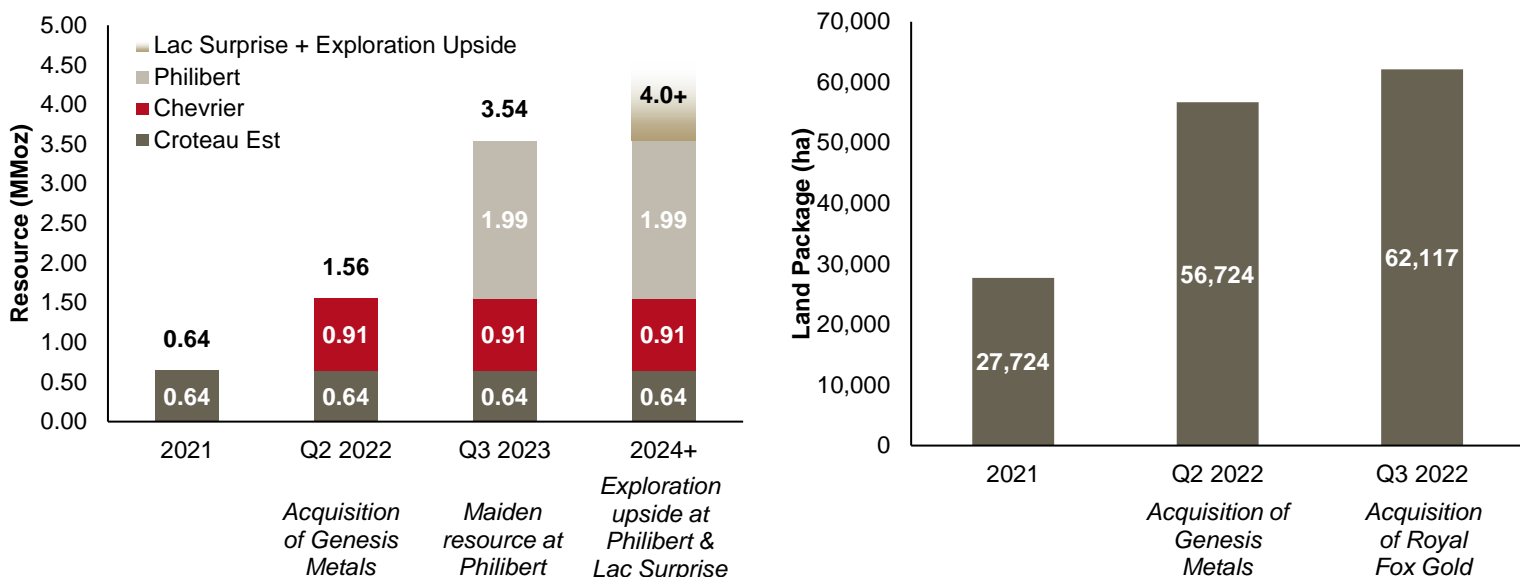
Source: Cormark Securities Inc., Northern Superior Resources Inc.

**The Path To Increased Scale And Relevancy**

Over the last two years, through a string of strategic acquisitions and positive asset-level updates (Figure 3), Northern Superior has amassed a dominant land position in the Chibougamau Gold Camp (>60,000 ha; the largest consolidated land package in the camp), with a substantial resource base across multiple properties (3.54 MMoz; with upside potential).

- **April 2022:** Acquired Genesis Metals (for the Chevrier project), expanding its land position to 56,700 ha, and consolidating three large land packages (including Lac Surprise, Croteau, and Chevrier) all within 50 km of one another. The acquisition established Northern Superior as the largest scale player in the Chibougamau Gold Camp and brought Northern Superior's total resource base to 1.56 MMoz (all categories), up from 643,000 oz previously.
- **September 2022:** Acquired Royal Fox Gold (for the Philibert project), further cementing Northern Superior's position as the dominant player in the Chibougamau Gold Camp. The company's land position expands to >62,000 ha, with four large and expanding gold deposits (including Croteau, Chevrier, Lac Surprise, and Philibert).
- **July 2023:** Announced plans to spin out the district-scale TPK project in northern Ontario (47,796 ha), which has the largest gold-in-till dispersal anomalies in North America. The transaction established ONGold (ONAU-TSXV; Not Rated), a new company with dedicated capital and a management team, to develop its Ontario assets, enabling Northern Superior to concentrate on its Québec operations. Northern Superior will retain its position as the largest shareholder in ONGold.
- **August 2023:** Announced a maiden pit-constrained resource estimate of 1.99 MMoz grading 1.10 g/t at Philibert (all categories; on a 100% basis). Further resource growth is expected from: (1) the expansion along strike and down-dip, and (2) the potential for parallel zones. The update brought Northern Superior's total resource base to 3.54 MMoz.
- **December 2023:** IAMGOLD acquired Vanstar Resources, consolidating the company's interest in Nelligan (previously 75% IAMGOLD, 25% Vanstar). This transaction further consolidated the Chibougamau Gold Camp. IAMGOLD paid \$41/oz to consolidate Vanstar's 25% interest.
- **May 2024:** Completes C\$8.0 MM financing, fully funding the company for its summer 2024 and winter 2025 drill programs.

**Figure 3 Resource & Land Package Growth Underscores Increasing Influence In The Camp**



Source: Cormark Securities Inc., Northern Superior Resources Inc.

## Overview Of 2024 Work Program At Philibert

In May 2024, Northern Superior successfully completed an C\$8.0 MM financing (Cormark acted as the sole underwriter on the transaction). Northern Superior is now well funded and aims to complete more than 20,000 m of drilling in the Chibougamau Gold Camp over the next nine months, with exploration activities set to commence in the coming weeks. Northern Superior's drill program will focus on Philibert (Figures 4-7), where there is clear potential for resource expansion from:

- 1) converting waste to ore through infill drilling;
- 2) drilling out the known mineralized zones along strike and down-dip;
- 3) high-priority exploration targets including the Fold Nose and Patino showings; and
- 4) the potential for parallel zones to replicate Philibert mineralization to the north.

While mineralization at Philibert is currently traceable for 3 km along strike, geophysics indicates there is an additional 4 km of mineralization spreading east and west of the resource (Figure 5).

Notable historical drill holes approximately 300 m east of the current resource have returned 2.17 g/t over 17.9 m, as well as 1.66 g/t over 8.27 m. Historical drilling approximately 300 m west of the defined pit along the hanging wall trend returned 1.76 g/t over 7.0 m, including 10.8 g/t over 1.0 m. Historic drilling located over 1,500 m southeast of the current resource returned 1.55 g/t over 26.0 m and 1.09 g/t over 13.7 m, with both drill holes requiring further testing above and below the intersections.

Several high priority exploration targets are also planned to be tested, including the magnetic fold feature to the south of the east end of the defined pit, where a historical hole returned 0.73 g/t over 15.1 m, including 1.52 g/t over 6.2 m. The Patino showing located to the northwest of the defined pit has had historical intersections of 0.66 g/t over 5.18 m, 1.45 g/t over 2.8 m, and 0.94 g/t over 3.05 m.

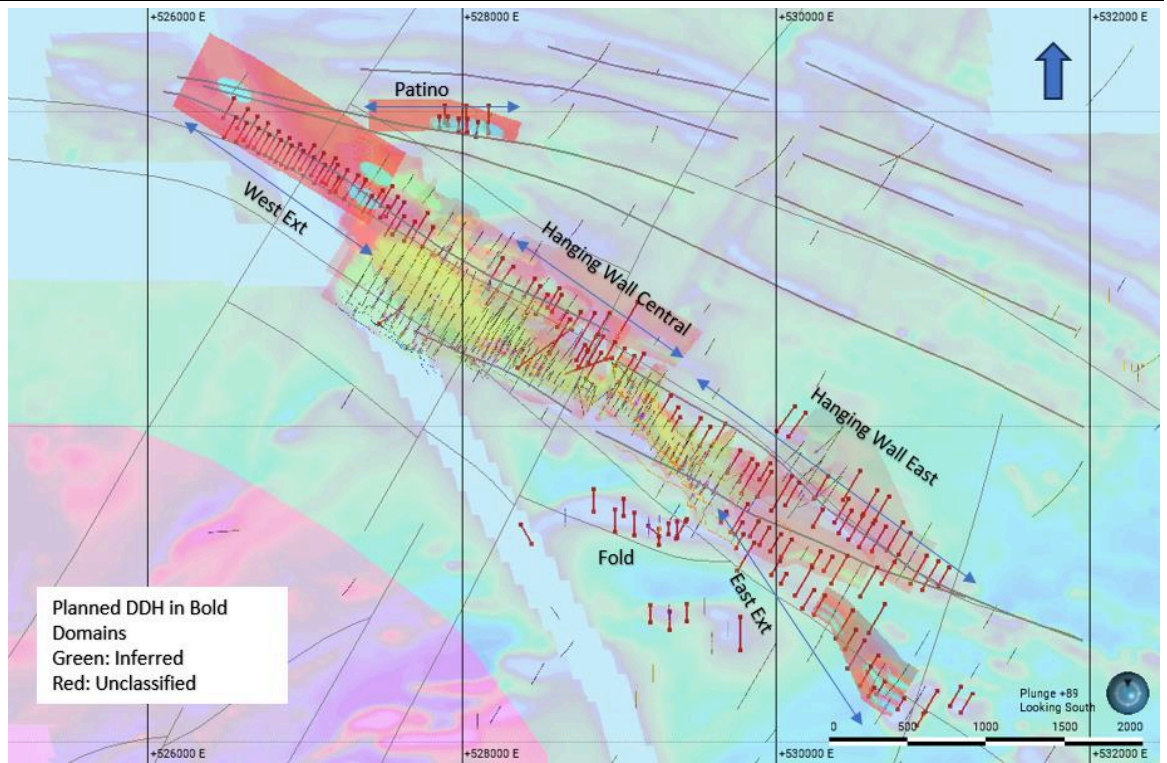
While the current resource estimate does not include any underground potential, a previous scoping study focused exclusively on underground resources from the western domains, with approximately 239,000 oz grading 5.68 g/t. Such underground potential will be further explored, evaluated, and potentially included in subsequent resource estimates.

Northern Superior is also planning groundwork to follow up on historic mapping and channel sampling which identified mineralization within a similar-looking gabbro host to Philibert but located between 1-1.2 km north of the resource. The company is also planning to complete 10,000 m of sampling from selectively sampled historic core within and outside the currently defined pit to improve the in-pit 'ore to waste' ratio and help define mineralized trends outside the current resource.

Importantly, further metallurgical testing is also being planned for the eastern end of the pit to build on initial testing with flotation concentrate returning recoveries up to 95.6%. The low nugget effect, minimal overburden cover, and promising initial metallurgical results are what make Philibert a cornerstone deposit in the Chibougamau Gold Camp.

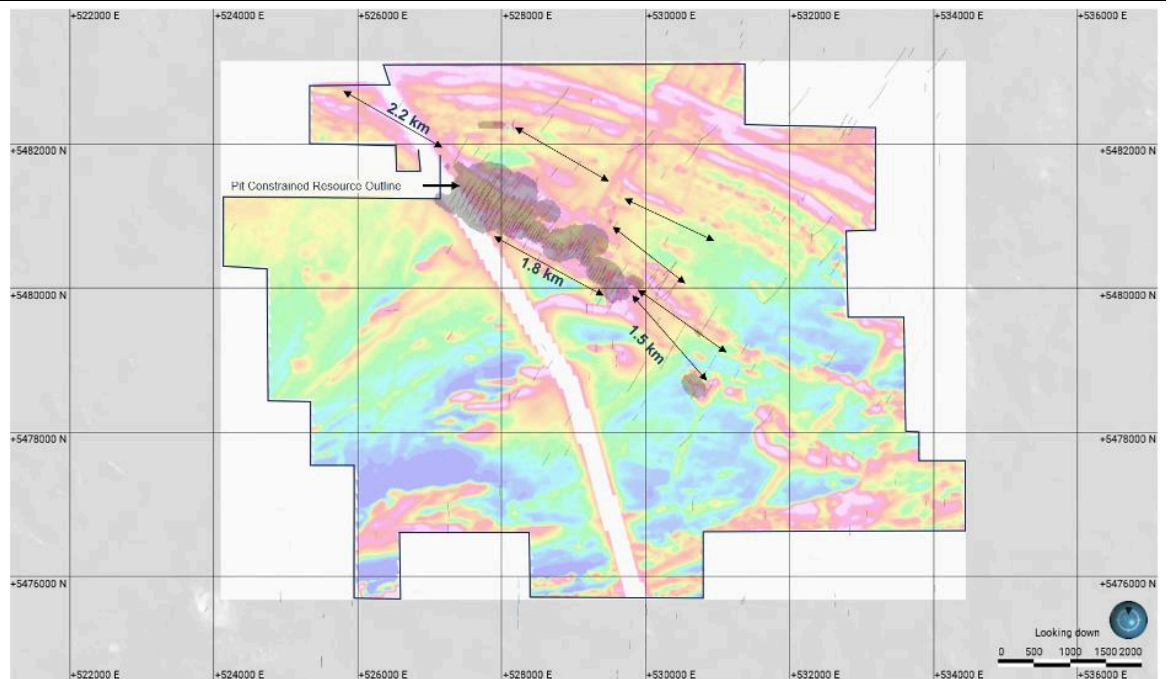


**Figure 4** **Philibert Drill Hole Locations**



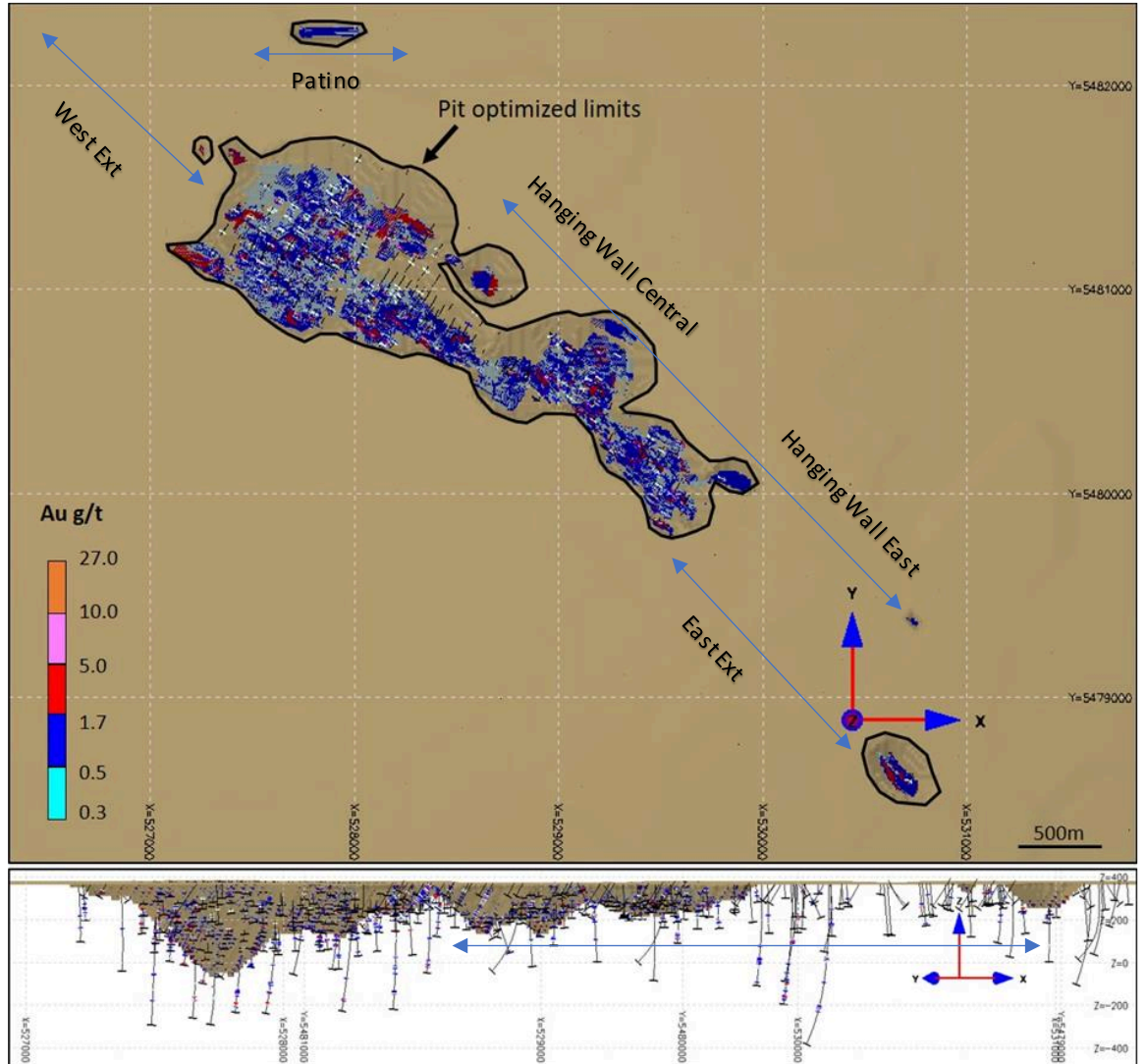
Source: Northern Superior Resources Inc.

**Figure 5** **Plan View Of Open Pit Outline Over High Resolution Total Magnetic Intensity Map**



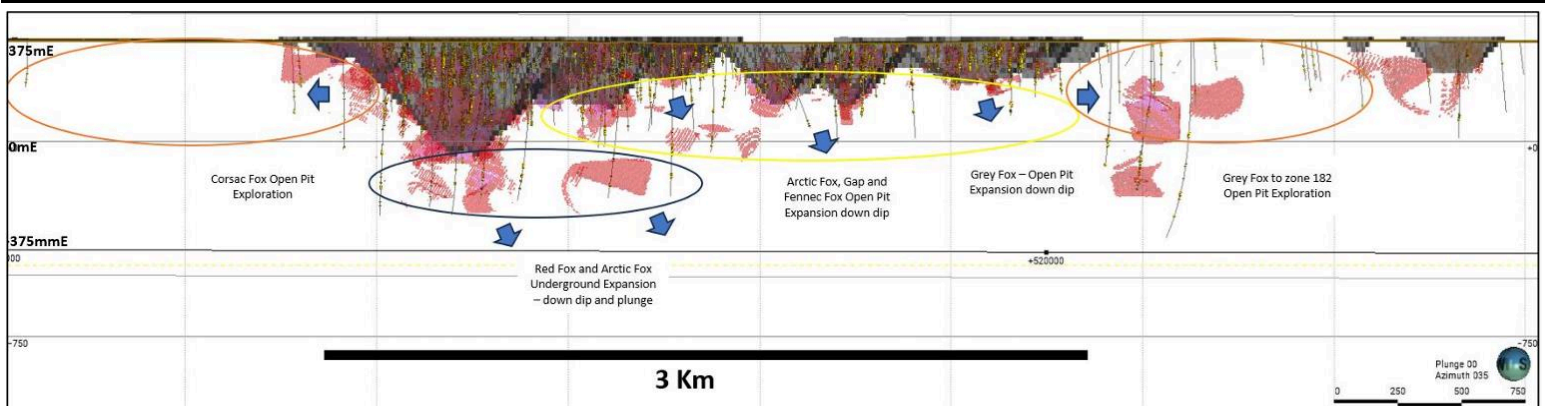
Source: Northern Superior Resources Inc.

**Figure 6 Philibert Resource Pit Limits**



Source: Northern Superior Resources Inc.

**Figure 7 Philibert Long Section Showing Conceptual Open Pit And Potential Areas For Expansion**



Source: Northern Superior Resources Inc.



**Exploration Activity Is Heating Up In The Camp**

Elsewhere in the camp, IAMGOLD is currently drilling, with plans to drill more than 15,000 m in 2024:

- **Nelligan:** Plans to complete approximately 10,000 m of expansion and delineation drilling in 2024, with approximately 4,000 m completed in Q1/24.
- **Monster Lake:** After resuming exploration activities in 2023, IAMGOLD initially planned to complete approximately 3,000 m of exploration drilling in 2024, although completed 3,500 m in Q1/24. Drilling is testing exploration targets along the main Monster Lake Shear Zone structural corridor. An updated resource estimation is expected to be completed in 2024.
- **Anik:** This project is wholly owned by Kintavar Exploration, contiguous with the Nelligan to the north and east, and is on the same trend as Philibert. IAMGOLD holds an option to earn up to an 80% interest in the project by meeting certain commitments (i.e. C\$600,000 in staged cash payments, C\$4.0 MM in exploration expenditures over a 5-year period). Approximately 3,000 m of exploration drilling is planned for 2024, with approximately 2,300 m completed in Q1/24.

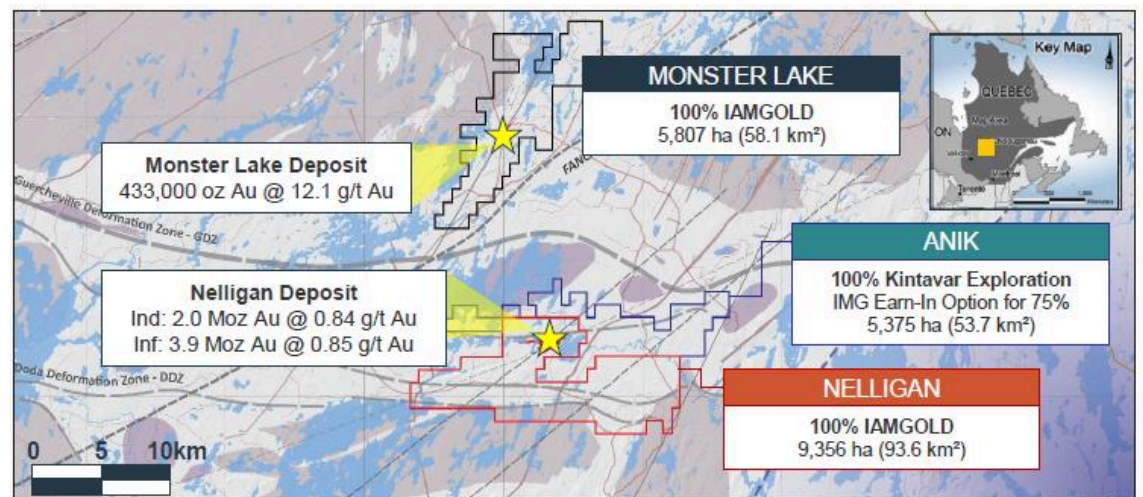
Despite being busy with ramping up its flagship Côté mine, IAMGOLD remains committed to the Chibougamau Gold Camp. In December 2023, IAMGOLD acquired Vanstar Resources. The transaction consolidated the company’s interest in Nelligan (previously 75% IAMGOLD, 25% Vanstar), and further consolidated the resource base in the Chibougamau Gold Camp. IAMGOLD paid C\$31.1 MM, or approximately \$41/oz to consolidate Vanstar’s 25% interest. On the back of the transaction, IAMGOLD’s CEO Renaud Adams stated:

*"This transaction consolidates our interests in the highly prospective Nelligan deposit while building our exploration portfolio within northern Québec. 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 cashflow and growth opportunities in Canada."*

While IAMGOLD’s time and capital have been focused on the Côté project over the last four years, we expect exploration spending at its Chibougamau properties to ramp-up now that Côté is in production, which is likely to result in expanded resources and a de-risking of the development of this emerging camp.

**Figure 8**

**IAMGOLD Projects in Chibougamau Camp**



Source: IAMGOLD Corp.



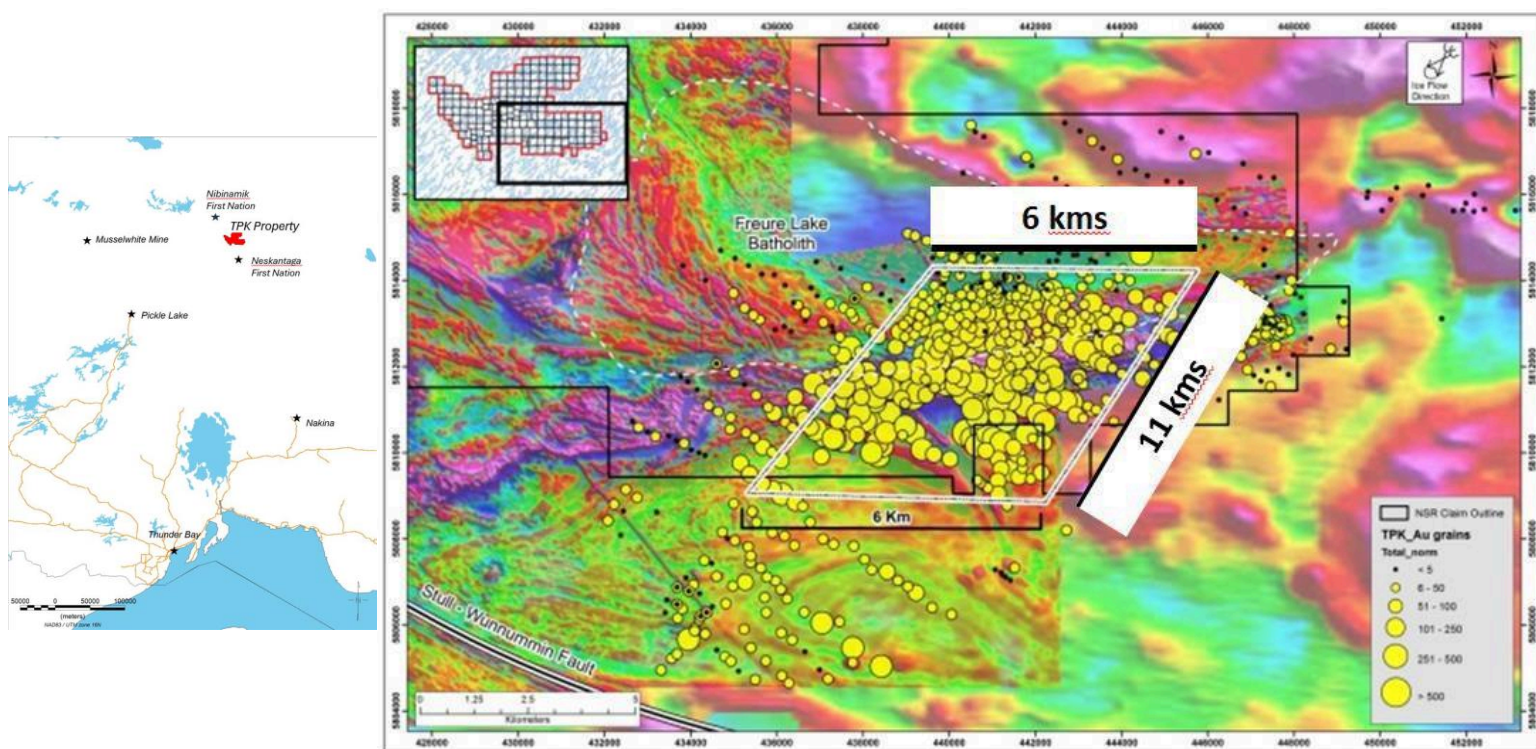
**Unlocking Value & Streamlining Story With Spinout Of Ontario Assets**

On April 30, 2024, Northern Superior completed the spinout of its Ontario assets, including the Ti-paa-haa-kaa-ning (TPK) project. TPK is located north of Pickle Lake and south of the Ring of Fire in northwestern Ontario and covers the underexplored Stull-Wunnummin Fault Zone (Figure 9). TPK is a massive property (30 km x 20 km, or 47,796 ha) that currently hosts two large independent mineral systems: Big Dam and Annex. The property hosts the largest gold grain-in-till dispersal apron in North America – an important discovery feature of many significant and sizable gold deposits in the world. Most gold dispersal trains are 200 m x 3 km. The TPK project hosts two distinct anomalies, the largest one being 6 km x 11 km.

Multiple, significant gold discoveries have already been made, including 25.87 g/t over 13.5 m in hole TPK-10-004. Additionally, the property is host to numerous large mineral-bearing boulders returning assay values as high as 727 g/t Au, 111 g/t Ag, and 4.05% Cu.

The spinout transaction created a new standalone company, ONGold (ONAU-TSXV, Not Rated), with dedicated capital and a management team solely focused on advancing the Ontario assets. In our view, this streamlines the Northern Superior story and allows the company to focus its efforts entirely on Québec. Northern Superior will retain exposure to the TPK project through its equity interest in ONGold, with the company becoming the largest shareholder of ONGold (72.4% interest; valued at C\$21.4 MM).

**Figure 9 TPK Project – Big Dam Gold Grain-In-Till**



Source: ONGold Resources Ltd.

**Notable Risks For Northern Superior**

**Financing Risk:** Northern Superior is an exploration company that has negative operating cash flow and requires external capital to continue with its exploration programs in order to grow/expand its mineral resources. Northern Superior’s ability to continue its business operations is entirely dependent on Management’s ability to secure additional financing. To finance its endeavors, equity or project dilution may be taken in order to fund the equity portion of the capital costs if its projects are to be developed.

**Exploration Risk:** Resource exploration is a speculative business and involves a high degree of risk. The long-term profitability of Northern Superior’s operations will be in part directly related to the cost and success of its exploration programs. All the company’s properties are in the exploration stage and no known reserves have been discovered. There is no certainty that the expenditures to be made by Northern Superior in the exploration of its Québec assets will result in discoveries of commercial quantities of minerals.

**Liquidity Risk:** Northern Superior has approximately 164.3 MM shares outstanding, and the float is approximately 75% of the shares outstanding (directors/officers own >25%). Trading volumes have averaged ~90,000 shares per day over the last year but have increased to ~119,000 shares per day over the last three months.

**Upcoming Catalysts For Northern Superior**

- Results from Northern Superior’s 20,000 m drill program (H2/24)
- Results from IAMGOLD’s 15,000 m drill program at Nelligan, Monster Lake, and Anik (H2/24)
- ONGold drilling progress at TPK (2024)
- Updated Philibert resource estimate (2025)

**Figure 10**

**Northern Superior Resources Inc. Price Chart**



Source: BigCharts.com (July 9, 2024)

## Valuation

### Initiating Coverage With Buy (S) Rating And C\$1.50 Target

Our C\$1.50 target is generated using a 1.00x P/NAV multiple and represents upside of 188%. Our NAV of C\$1.50 (Figure 11) assumes the following:

- We ascribe an in-situ value of \$40/oz to the resources at Philibert, Chevrier and Croteau, which adds up to a total value of C\$191 MM. That in-situ value compares to the current average of \$45/oz of our explorer/developer comps under coverage (Figure 13) and the \$41/oz that IAMGOLD paid to acquire Vanstar earlier this year.
- We ascribe a nominal value of C\$25 MM to the Lac Surprise exploration property. While there is currently not a resource estimate at this project yet, it adds approximately 1.4 km of mineralization to IAMGOLD's Nelligan deposit.
- The 35.7 MM shares of ONGold currently have a market value of C\$21.4 MM.
- We estimate the company currently has approximately C\$8.0 MM in cash after the recent equity financing (10.5 MM shares at C\$0.76 per share).

**Figure 11**

### NAV Summary

Asset		
Philibert Project (75%), Quebec	1.99 MMoz at \$40/oz in-situ	C\$107.4
Chevrier Project (100%), Quebec	0.91 MMoz at \$40/oz in-situ	C\$49.3
Croteau Project (100%), Quebec	0.64 MMoz at \$40/oz in-situ	C\$34.8
Lac Surprise (100%), Quebec	nominal value	C\$25.0
<b>Total Mining Assets</b>		<b>C\$216.5</b>
Cash	estimated at June 30, 2024	C\$8.0
Debt	estimated at June 30, 2024	C\$0.0
ITM fully diluted proceeds (warrants plus options)	average price of C\$0.46	C\$0.0
ONGold (ONAU-TSXV) interest	35.7 MM shares at C\$0.60	C\$21.4
<b>Total NAV</b>		<b>C\$245.9</b>
Shares outstanding	estimated at June 30, 2024	164.3
FD ITM shares		165.1
<b>Total NAVPS (C\$)</b>		<b>C\$1.50</b>

Source: Cormark Securities Inc.

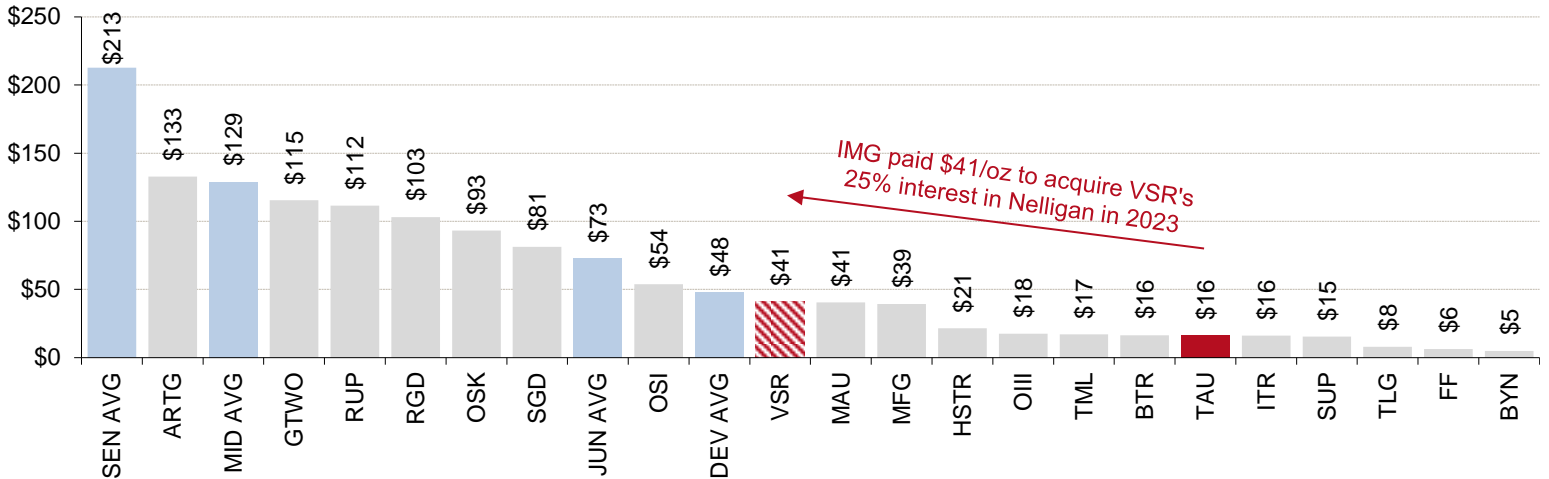


**Figure 12 NAV Sensitivity To Resource Size & In-Situ Value**

		Resource (MMoz)						
		3.00	3.54	4.00	4.50	5.00	5.50	6.00
In-situ value	\$10	C\$0.60	C\$0.60	C\$0.65	C\$0.70	C\$0.75	C\$0.80	C\$0.80
	\$20	C\$0.80	C\$0.90	C\$1.00	C\$1.05	C\$1.15	C\$1.25	C\$1.30
	\$30	C\$1.05	C\$1.20	C\$1.30	C\$1.45	C\$1.55	C\$1.70	C\$1.80
	\$40	C\$1.30	<b>C\$1.50</b>	C\$1.65	C\$1.80	C\$1.95	C\$2.15	C\$2.30
	\$50	C\$1.55	C\$1.80	C\$1.95	C\$2.15	C\$2.40	C\$2.60	C\$2.80
	\$75	C\$2.15	C\$2.50	C\$2.80	C\$3.10	C\$3.40	C\$3.70	C\$4.00
	\$100	C\$2.80	C\$3.25	C\$3.60	C\$4.00	C\$4.40	C\$4.85	C\$5.25

Source: Cormark Securities Inc.

**Figure 13 EV/oz Peer Comparison**



Source: Cormark Securities Inc.

## Philibert (75%), Québec

### Asset Description

Philibert is located 9 km from IAMGOLD’s Nelligan deposit (Figure 14). The Philibert property hosts a 3 km trend of near-surface mineralization, which includes five mineralized domains associated with northwest-trending shear zones, related to the Opawica-Guercheville Deformation Zone. Geophysics is indicative of an incremental 4 km of mineralization spreading to the east and west. The project hosts a total resource of 1.99 MMoz grading 1.10 g/t at a cut-off grade of 0.35 g/t (Figure 15), with significant expansion potential.

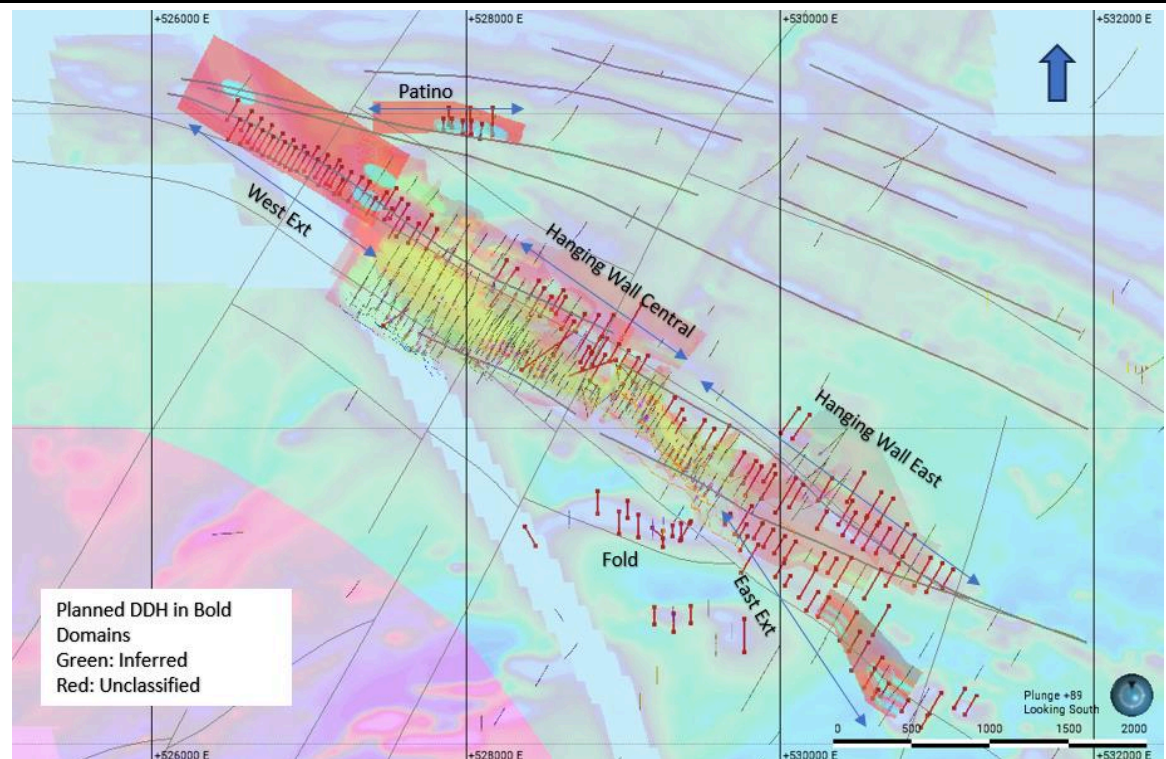
A key feature of the Philibert deposit is its insensitivity to cut-off grade (Figure 16). Increasing the cut-off grade to 0.50 g/t (from 0.35 g/t) only reduces the total ounces by 10% to 1.79 MMoz (from 1.99 MMoz), but also increases the grade by 21% to 1.33 g/t (from 1.10 g/t), which would be 56% higher than the grade of the nearby Nelligan deposit. In our view, this increases the Philibert deposit’s strategic importance to the overall Chibougamau Gold Camp, and, therefore, any potential camp consolidator.

Another important feature is the deposit’s clean metallurgy, particularly when compared to Nelligan. While preliminary metallurgical testwork at Nelligan shows decent recovery potential through a combination of flotation, regrinding, and cyanidation, the Philibert deposit achieved higher initial flotation concentrate recoveries (up to 95.6% vs. ~84% for Nelligan). While more additional metallurgical testwork is required at both deposits, initial results suggest Philibert has more favorable ore characteristics, which has the potential to result in simpler and less costly processing, further increasing its importance to the camp.

Northern Superior holds a majority 75% stake in Philibert, with the remaining 25% being owned by SOQUEM (a subsidiary of Investissement Québec). Northern Superior has an option to acquire the remaining 25% from SOQUEM by making a cash payment of \$3.5 MM before March 2026 (Figure 17).

Figure 14

Philibert Drill Hole Locations



Source: Northern Superior Resources Inc.

**Figure 15 Philibert Resource Statement**

Category	Tonnes (MMt)	Gold grade (g/t)	Contained Gold (MMoz)
<b>Pit Constrained (0.35 g/t Au cut-off)</b>			
<u>Philibert</u>			
M&I	7.884	1.10	0.279
Inferred	48.465	1.10	1.709
<b>Total</b>	<b>56.349</b>	<b>1.10</b>	<b>1.988</b>

Source: Northern Superior Resources Inc.

**Figure 16 Philibert Resource Sensitivity to Cut-off Grade**

Category	Cut-off Grade (g/t)	Tonnes (MMt)	Gold grade (g/t)	Contained Gold (MMoz)
Indicated	0.60	5.152	1.44	0.239
	0.50	6.066	1.30	0.254
	0.40	7.195	1.17	0.271
	<b>0.35</b>	<b>7.884</b>	<b>1.10</b>	<b>0.279</b>
	0.30	8.712	1.03	0.279
	0.20	10.842	1.03	0.303
Inferred	0.60	30.308	1.48	1.422
	0.50	35.905	1.33	1.535
	0.40	43.468	1.18	1.649
	<b>0.35</b>	<b>48.465</b>	<b>1.10</b>	<b>1.709</b>
	0.30	54.450	1.01	1.768
	0.20	71.156	1.01	1.899

Source: Northern Superior Resources Inc.

**Figure 17 SOQUEM Option Agreement**



Source: Northern Superior Resources Inc.



## Chevrier (100%), Québec

### Asset Description

Chevrier is a large land package (290 km<sup>2</sup>) that covers 15 km of the Fancamp Deformation Zone (host to IAMGOLD's Monster Lake). Chevrier is well connected by a road network to all major communities within the area, supplying all required supplies and services, an airport, rail, and hydro. Chevrier hosts a total resource of 912,000 oz grading 1.28 g/t (Figure 18). Northern Superior sees near-term resource growth potential at both the Chevrier South (disseminated gold zones up to 30 m thick) and Chevrier East (6 shear zones over 750 m down-dip, not included in the current resource) zones. The deposits are open for expansion, with some of the high-grade areas not yet systematically drilled.

The property is host to parallel breaks, with over 20 km of largely untested potential. In addition to the resource growth potential, the company has identified 23 additional gold targets, including 6 high priority targets. These targets were all identified from a series of exploration programs including property scale bedrock mapping, till sampling, and IP surveys.

Figure 18

### Chevrier Resource Statement

**Pit Constrained (0.30 g/t Au cut-off)**

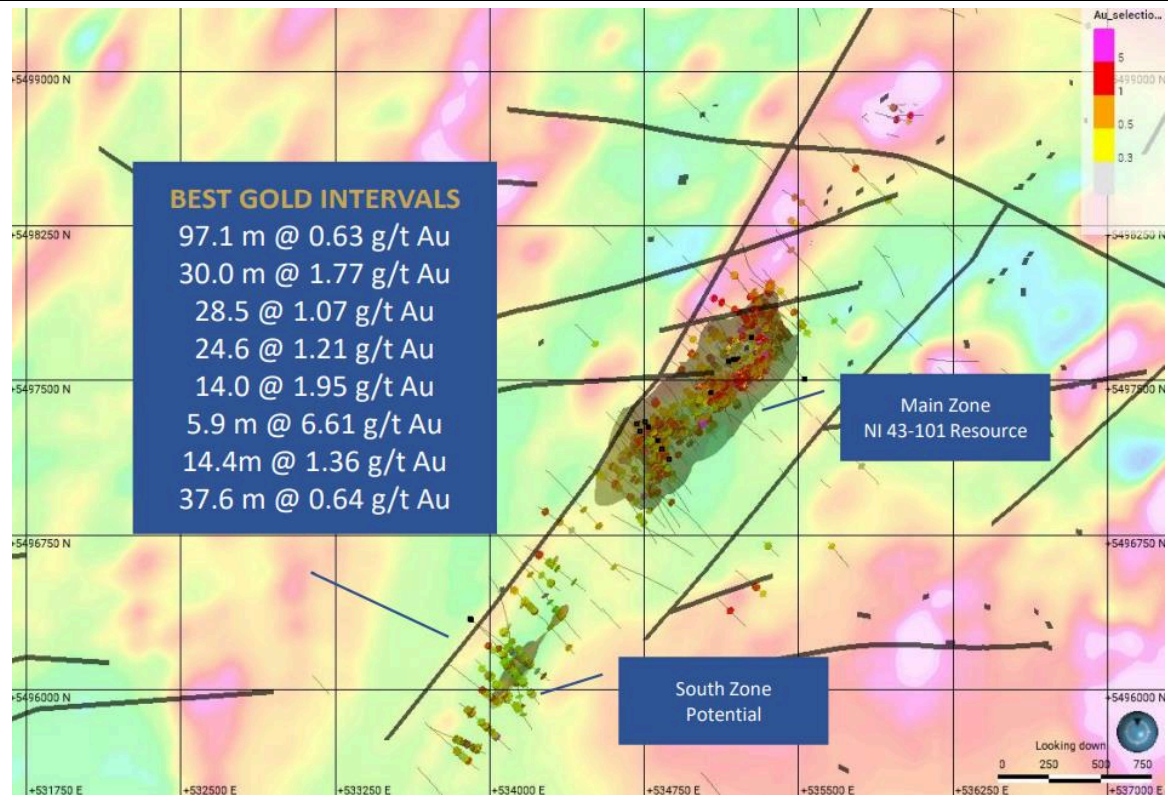
Chevrier

M&I	6.400	1.26	0.260
Inferred	11.200	1.29	0.652
<b>Total</b>	<b>17.600</b>	<b>1.28</b>	<b>0.912</b>

Source: Northern Superior Resources Inc.

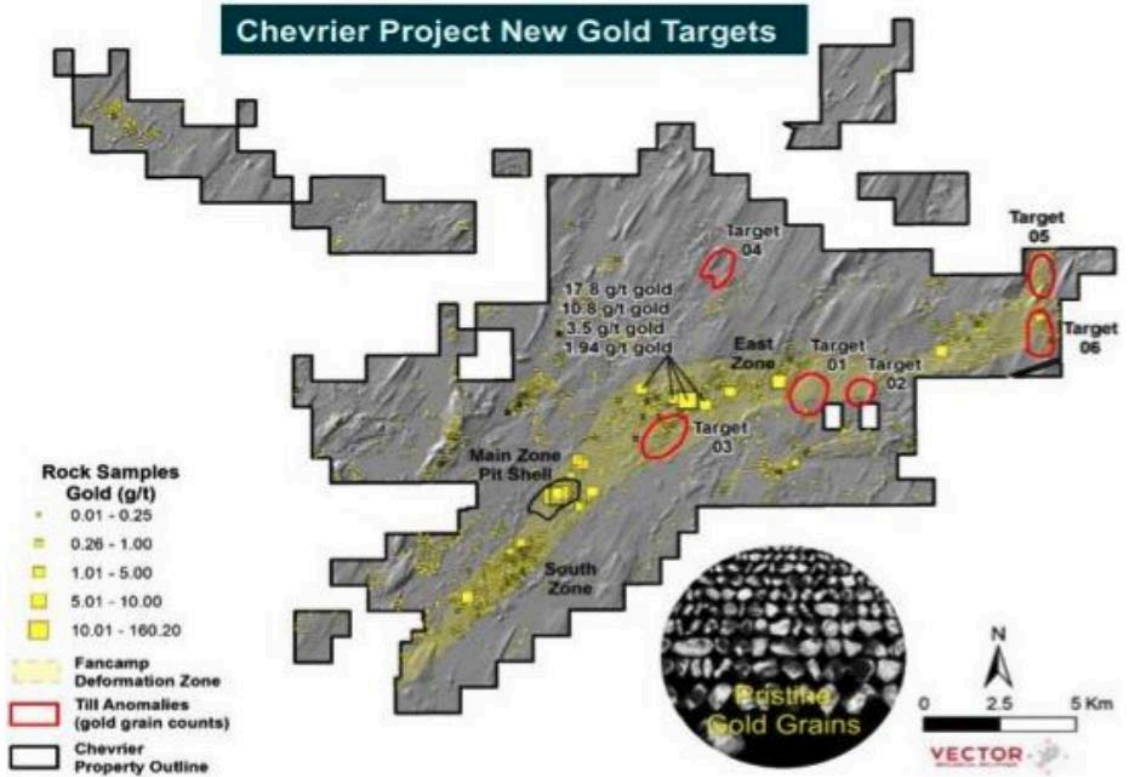
Figure 19

### Overview Of Drilling At The Chevrier Deposit



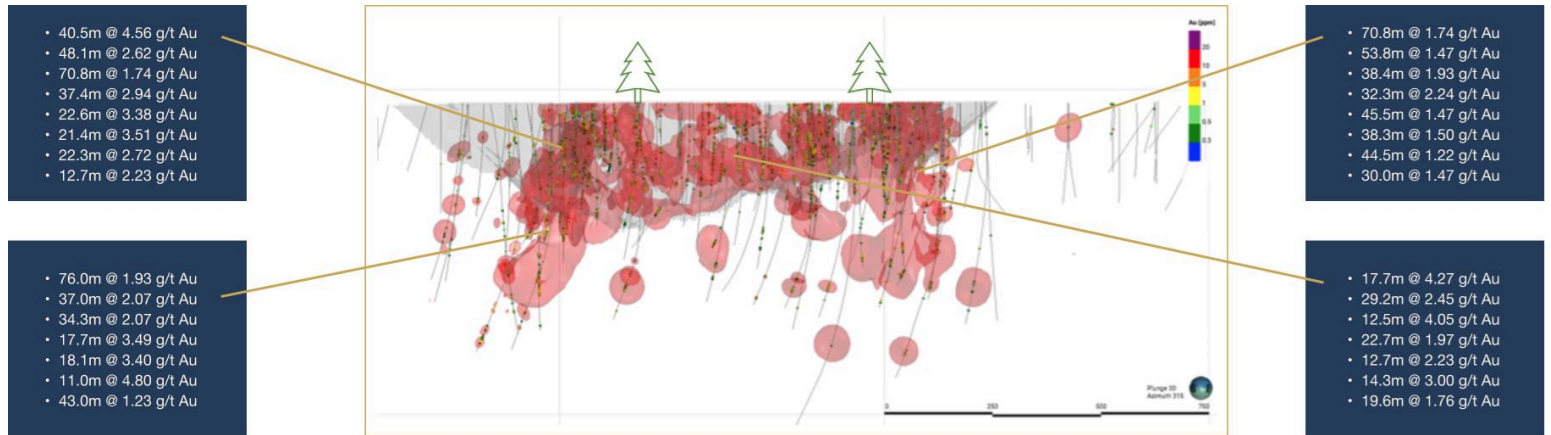
Source: Northern Superior Resources Inc.

**Figure 20** Chevrier Property Regional Targets



Source: Northern Superior Resources Inc.

**Figure 21** Chevrier Main Zone With Grade Shells >0.30 g/t Au



Source: Northern Superior Resources Inc.

## Croteau (100%), Québec

### Asset Description

Croteau is a large property (30 km x 15 km) that hosts an inferred resource of 640,000 oz grading 1.79 g/t (Figure 22). The resource is currently defined from only 64 holes (20,643 m) with 50 m spacing, covering a 550 m strike length and a width of 150 m (Figure 23). There is only one hole to 575 m, with all other holes within 350 m from surface. The system remains open along strike in both directions and at depth.

Beyond the current deposit, Northern Superior has highlighted several previously unrecognized mineralized zones on the property that could yield new gold discoveries. The Croteau-Bouchard Shear Zone (CBSZ) is located at the intersection of a northeast-southwest fault and east-west deformation zone, with 11 other such opportunities with gold showings discovered at these structural intersections.

Figure 22

### Croteau Resource Statement

**Pit Constrained (0.35 g/t Au cut-off)**

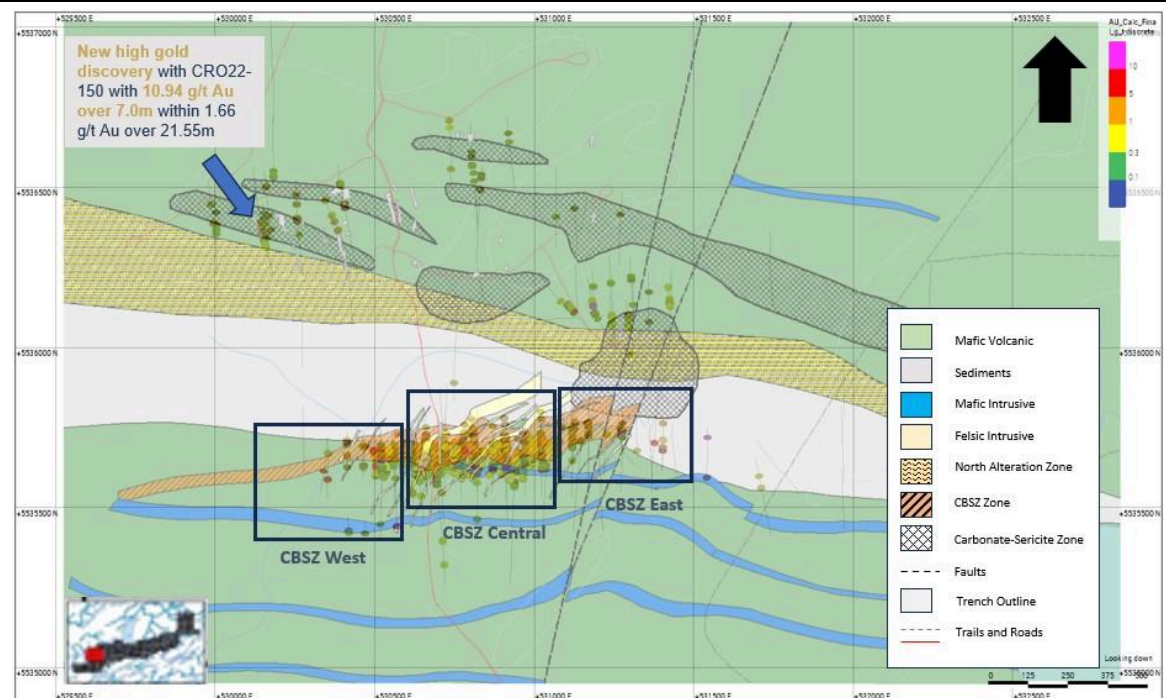
Croteau

M&I	0.000	0.00	0.000
Inferred	11.584	1.73	0.643
<b>Total</b>	<b>11.584</b>	<b>1.73</b>	<b>0.643</b>

Source: Northern Superior Resources Inc.

Figure 23

### Location Of The Croteau Property



Source: Northern Superior Resources Inc.



## Lac Surprise (100%), Québec

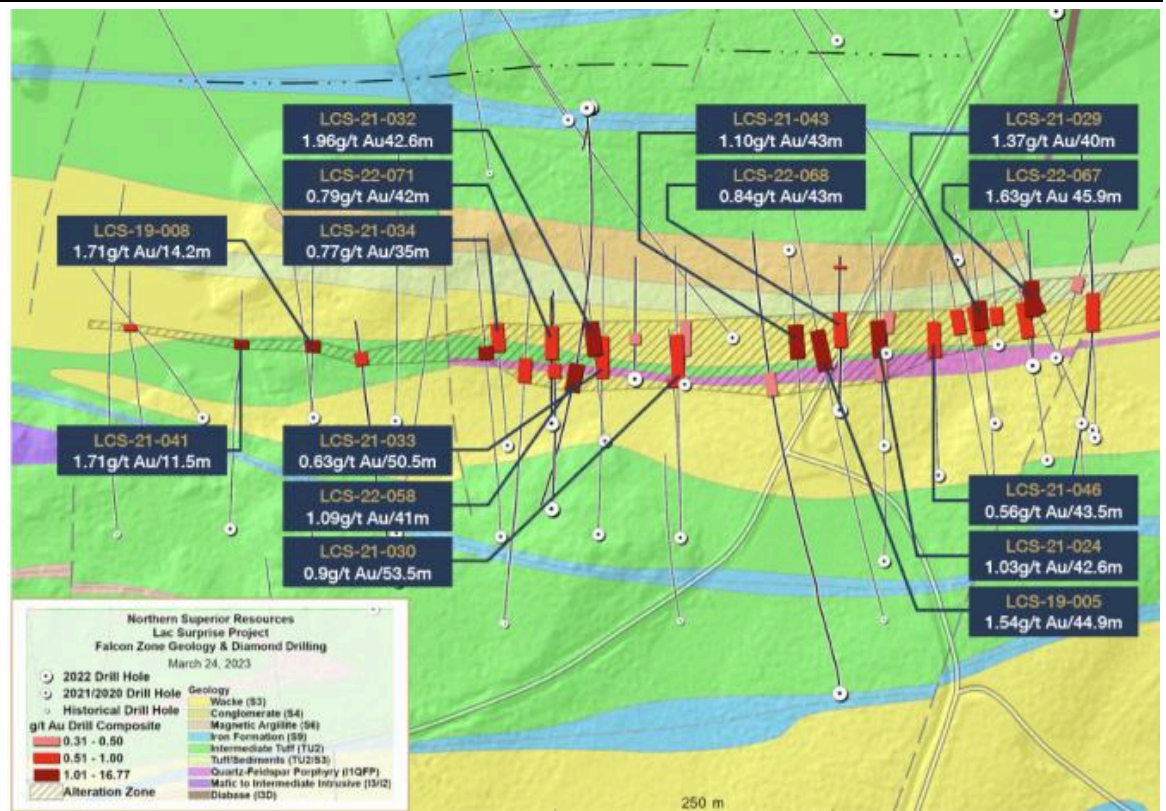
### Asset Description

Lac Surprise is a large property (152 km<sup>2</sup>) situated in the heart of the Chibougamau Gold Camp. The infrastructure at the property is excellent, with year-round road access.

While there are several gold showings and zones on the property, the most important is the Falcon Zone. The Falcon Zone is a major, near-surface discovery located just 2 km to the west and on strike with Nelligan. The Falcon Zone has a very similar mineralization style to Nelligan, with the same structure and stratigraphy. Robust continuity has been defined over 900 m along strike and up to 380 m depth. The large property covers several key structural breaks in the camp, including the Guercheville, Remick, and Doda shear zones.

Figure 24

Plan Map Of The Falcon Zone At Lac Surprise



Source: Northern Superior Resources Inc.

## Appendix A – Management & Directors

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<b>Victor Cantore</b> Executive Chairman	Mr. Cantore is President & CEO of AMEX Exploration, one of the most successful gold exploration companies in Canada. Over 25 years of advisory and leadership experience and serves on the boards of various companies both private and public.
<b>Simon Marcotte</b> President & CEO	Mr. Marcotte was Founder, President & CEO of Royal Fox Gold until its acquisition by Northern Superior in 2022. Nearly 25 years of experience, including with CIBC World Markets, Sprott, and Cormark Securities. Founder, officer, and director of several resource companies including Arena Minerals, Black Swan Graphene, and Mason Graphite.
<b>Michael Gentile</b> Director (Largest Shareholder)	Mr. Gentile has over 20 years as an institutional money manager investing in the commodity sector. Recently co-founded Bastion Asset Management. Seasoned mining investor, and board member of Roscan Gold and Radisson Mining.
<b>Adree DeLazzer</b> Vice President, Exploration	Ms. DeLazzer is a professional geologist with over 15 years of experience in exploration and mining. Previously employed as the Geology Superintendent for Kirkland Lake's Detour Lake mine in Ontario, and Exploration Manager responsible for the near-mine and greenfield exploration programs.
<b>Eric Desaulniers</b> Director	Mr. Desaulniers is a seasoned professional geologist specializing in geophysics. As a project manager at Sander Geophysics, a renowned geophysical corporation, Mr. Desaulniers oversaw numerous large-scale interpretation and data acquisition projects globally. Mr. Desaulniers is the founder and CEO of Nouveau Monde Graphite.
<b>François Perron</b> Director	Mr. Perron has over 30 years of experience in various roles including Portfolio Manager with Caisse de dépôt et placement du Québec (CDPQ) and NBC Alternative Investments, VP Corporate Development, President, CEO, or director for various TSX-V-listed companies.
<b>Andrew Farncomb</b> Director	Mr. Farncomb is Founder of Cairn Merchant Partners, founder and director of Contact Gold and Cairn Memory Care Fund. Formerly a Partner (investment banking) at Paradigm Capital. Director of several TSX- and TSX-V-listed companies.
<b>Frank Guillemette</b> Director	Mr. Guillemette is an entrepreneur with over 20 years of experience in finance and venture capital. Advanced the Philibert project until its acquisition by Royal Fox Gold. He was involved in several other transactions including the Black Dog project to Osisko Mining and the Monster Lake project to IAMGOLD.
<b>Jean Lafleur</b> Technical Committee	Mr. Lafleur is a seasoned geologist well known in the Province of Québec, with over 40 years of mining industry experience. Currently acting as a senior consultant for Appian Capital, and previously with Newmont, Falconbridge, and Placer Dome.
<b>David Beilhartz</b> Technical Committee	Mr. Beilhartz is a professional geologist with over 35 years of experience in exploration and mining. Formerly Vice President, Exploration of Trelawney Mining, Vice President, Exploration of Lakeshore Gold, and Chief Geologist for Holmer Gold Mines.

## Appendix B – Risks To Target

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### **Geopolitical Risk**

This risk deals with policies such as permitting and tax laws that are managed by governments and the perceived stability and investment environment. These policies can greatly affect mining companies, and in some cases prevent mining from occurring. Generally, developing countries are seen as being riskier because of the potential of a quick change in power to drastically change policies. Developed countries have their own geopolitical risk issues, and jurisdictions with powerful environmental lobbies can also make mining or exploration difficult.

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### **Financing Risk**

Mining and exploration companies may require external capital, particularly when building new mines. In order to finance these endeavors, equity or project dilution may be taken in order to fund the equity portion of the capital costs if the project is to be developed. Shareholders may also be subordinated by lenders in order to finance a mining project.

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### **Commodity Price Risk**

Our short- and long-term commodity price assumptions are based on detailed research and viewed to be reasonable based on current information. However, the timing and magnitude of commodity price fluctuations are always a significant risk that, in most cases, strongly affects the value of mining and mineral exploration/development companies focused on a specific commodity. Currently, the primary metal exposure for Northern Superior Resources is gold.

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### **Technical Risk**

Mining operations are subject to unforeseen risks such as labor strikes, rock bursts, geological interruptions, and equipment failure, all of which may negatively affect a company's performance. Ore reserve and resource risk is another technical risk that is derived from the subjective nature of geological interpretation. Competent, qualified personnel calculate ore reserves and resources, and in most cases have a high accuracy, but any significant variation in reserves could drastically impact a company's operations and the value of its shares.

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### **Exploration Risk**

In some cases, the market may build in expectations for exploration success before the actual exploration work has taken place. In the event that results do not meet with the market's expectation, the company's shares may be negatively affected.

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### **Cost Risk**

Both capital and operating costs may be affected by changes in input prices (fuel, steel, chemicals, labor, etc.) and by relative currency changes. The company may be at risk of unexpected cost escalation as a result of these potential threats.

Price Chart and Disclosure Statement

\*Information updated monthly on or about the 5th of each month



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**Market Perform** expected to perform with its peer group

**Reduce** expected to underperform its peer group

**Tender** clients are advised to tender their shares to a takeover bid

**Not Rated** currently restricted from publishing, or our recommendation is under review  
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