2022

MURCHISON MINERALS

Discovering Energy Metals

To Power the Future

CORPORATE PRESENTATION | TSXV: MUR | OTCQB: MURMF

MURCHISON MINERALS

2022

CAUTIONARY STATEMENT

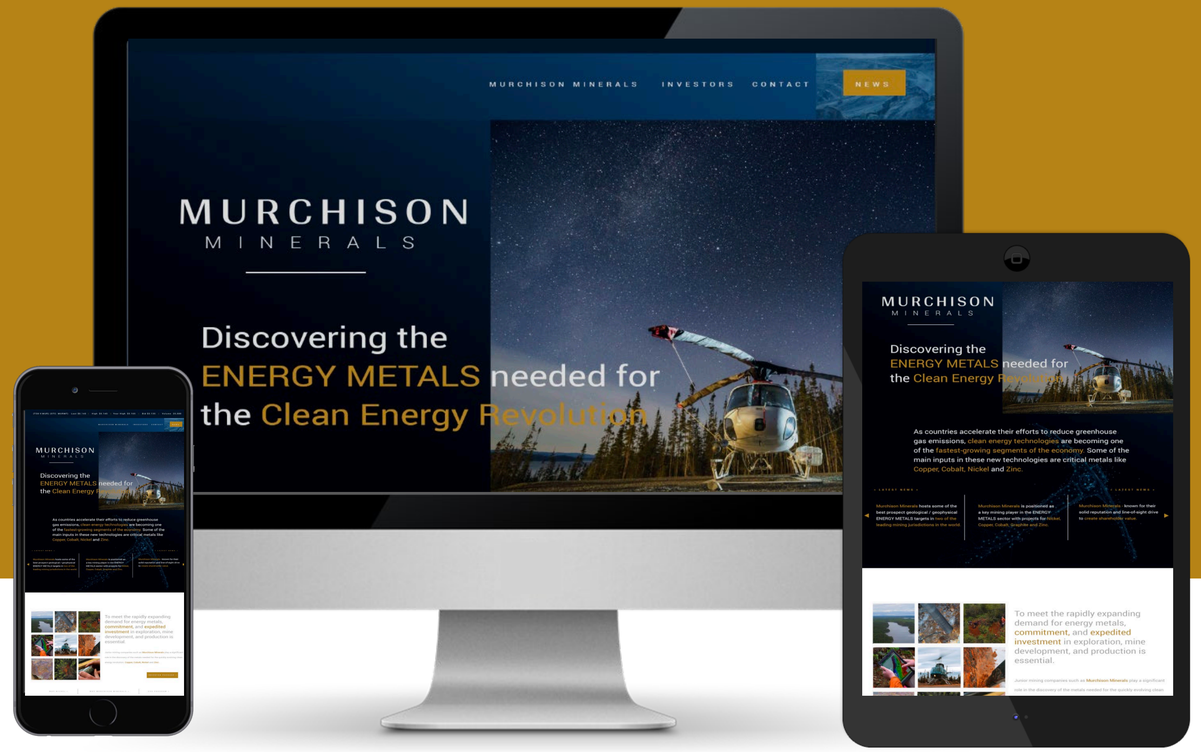
The statements, maps and models in this presentation are based on information currently available to Murchison Minerals Ltd. (the “Company”) and the Company provides no assurance that actual results will meet management's expectations. In certain cases, forward-looking information may be identified by such terms as "anticipates", "believes", "could", "estimates", "expects", "may", “potential”, "shall", "will” or "would". Forward-looking information contained in this presentation is based on certain factors and assumptions regarding, among other things, the estimation of mineral resources and mineral reserves, the realization of resource estimates and reserve estimates, metal prices, the timing and amount of future exploration and development expenditures, the estimation of initial and sustaining capital requirements, the estimation of labour and operating costs, the availability of necessary financing and materials to continue to explore and develop the Company’s project in the short and long-term, the progress of exploration and development activities, the receipt of necessary regulatory approvals, the completion of the environmental assessment process and assumptions with respect to currency fluctuations, environmental risks, title disputes or claims and other similar matters. While the Company considers these assumptions to be reasonable based on information currently available to it, they may prove to be incorrect.

Qualified Persons

The technical information contained in this presentation has been reviewed and approved by John Shmyr, P. Geo., Murchison’s VP Exploration, a Qualified Person in accordance with National Instrument NI-43-101.

Forward looking information involves known and unknown risks, uncertainties and other factors which may cause the actual results, performance or achievements of the Company to be materially different from any future results, performance or achievements expressed or implied by the forward-looking information. Such factors include risks inherent in the exploration and development of mineral deposits, including risks relating to changes in project parameters as plans continue to be redefined including the possibility that mining operations may not commence at the Company’s project risks relating to variations in mineral resources, mineral reserves, grade or recovery rates resulting from current exploration and development activities, risks relating to changes in metal prices and the worldwide demand for and supply of base and precious metals, risks related to increased competition in the mining industry generally, risks related to current global financial conditions, uncertainties inherent in the estimation of mineral resources and mineral reserves, access and supply risks, reliance on key personnel, operational risks inherent in the conduct of mining activities, including the risk of accidents, labour disputes, increases in capital and operating costs and the risk of delays or increased costs that might be encountered during the development process, regulatory risks, including risks relating to the acquisition of the necessary licenses and permits, financing, capitalization and liquidity risks, including the risk that the financing necessary to fund the exploration and development activities at the Company’s project may not be available on satisfactory terms, or at all, risks related to disputes concerning property titles and interest, and environmental risks. The Company does not undertake to update any forward-looking information that may be made from time to time by the Company or on its behalf, except in accordance with applicable securities laws.

2022



As countries accelerate their efforts to reduce greenhouse gas emissions, clean energy technologies are becoming one of the fastest-growing segments of the economy. Some of the main inputs in these new technologies are critical metals like Nickel, Copper, Cobalt and Zinc.

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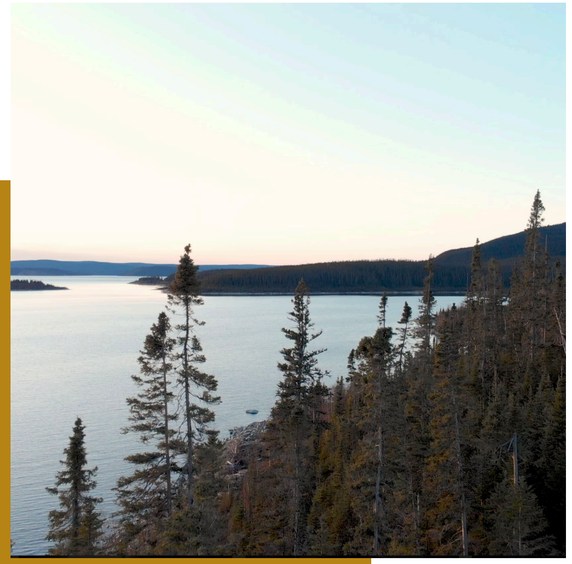

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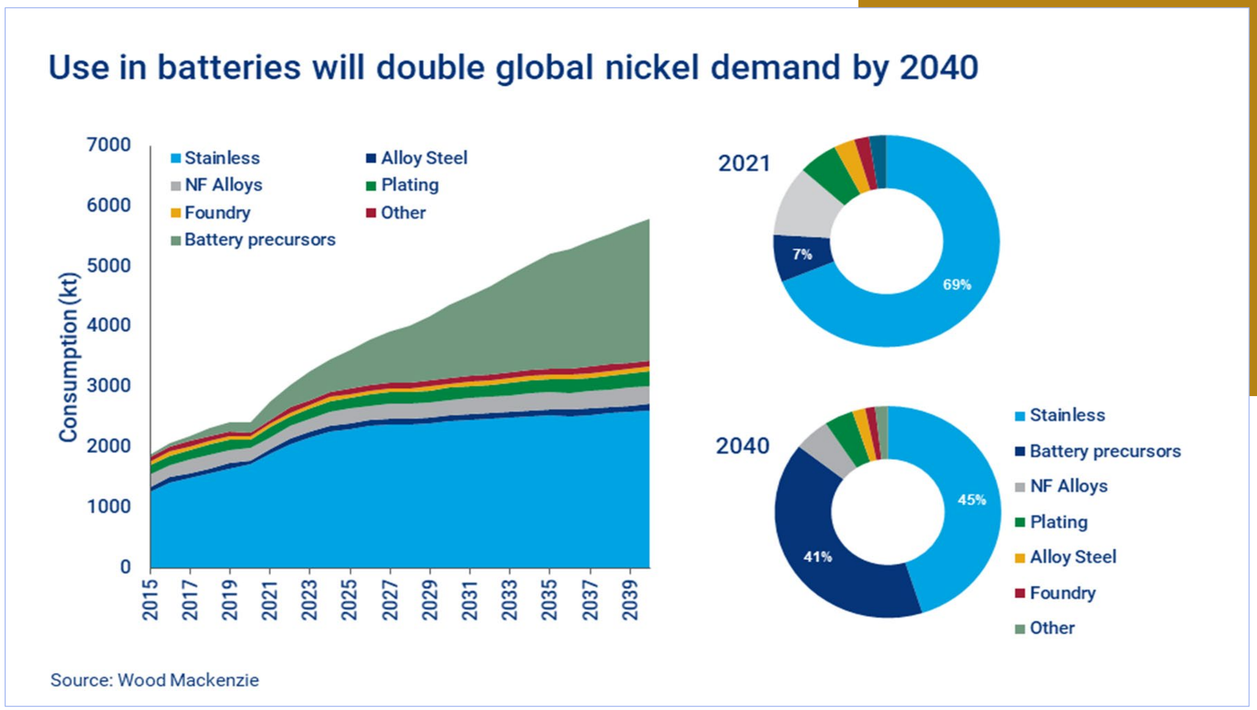
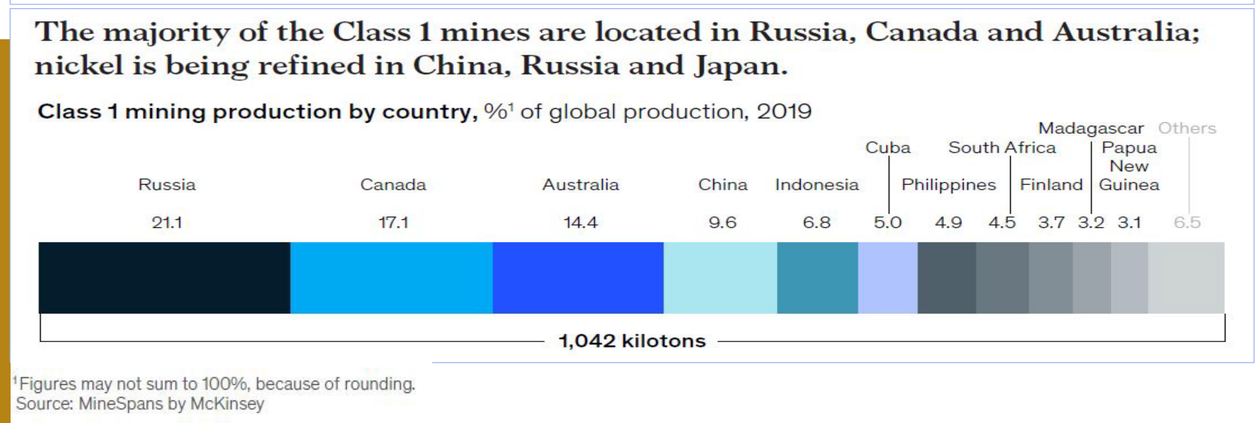
To meet the rapidly expanding demand for energy metals, commitment, and expedited investment in exploration, mine development, and production is essential. We must look at stable jurisdictions for our future supply.

Junior mining companies such as Murchison Minerals play a significant role in the discovery of metals needed for the quickly evolving clean energy revolution. Nickel, Copper, Cobalt and Zinc

Nickel Demand

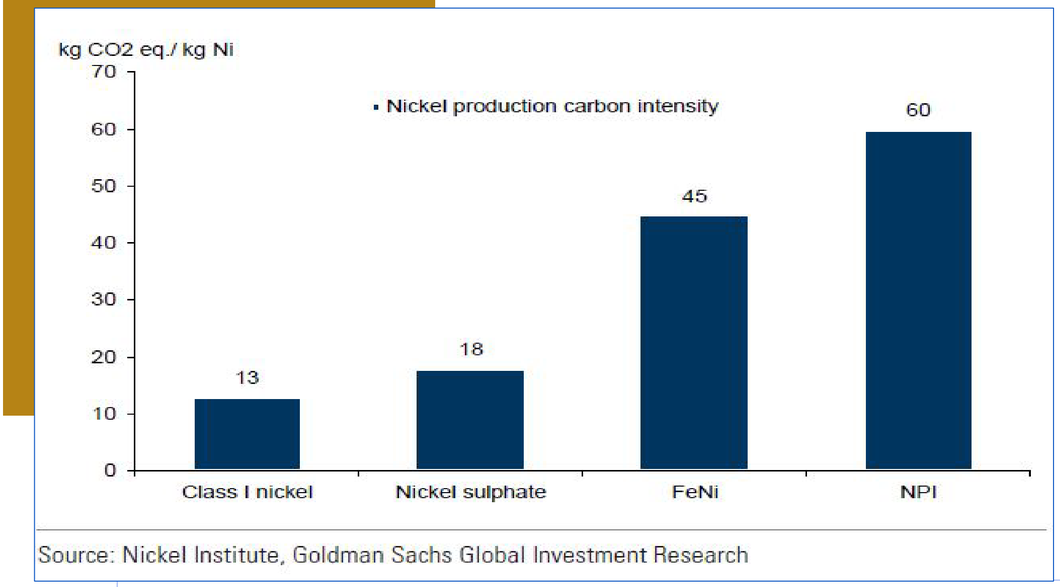
2022



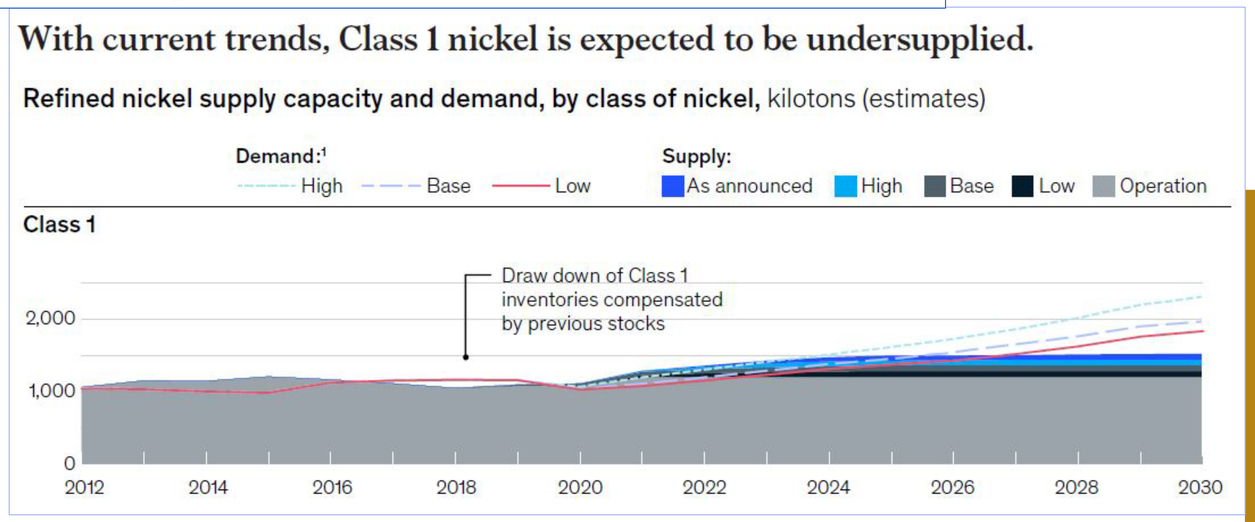


- **Nickel** is the #1 metal used in modern EV batteries
- Nickel demand is projected to increase **~100% by 2040** (Source: Wood MacKenzie)
- Class 1 nickel (battery grade Ni) is projected to increase **~600% by 2040** (Source: Wood MacKenzie)
- Class 1 nickel is in a **structural supply deficit**
- More than **40 new mines required** to meet forecasted demand by 2030 (Source: IEA July 2022 Report)
- Of the top 11 producing nations, **only 3 are members of the OECD**
- Under-investment in exploration of Nickel-bearing sulphide deposits over the last decade has exasperated the need for new discoveries. **~USD $128M was spent on grassroots nickel exploration globally in 2021** (Source: S&P Capital IQ Pro) with the **majority being spent outside of OECD countries.**

Class I Nickel



Source: Nickel Institute, Goldman Sachs Global Investment Research



[1]Class demand based on the current demand profile. Shifts in demand are likely to happen with evolving technology and price dynamics.
Source: Nickel Demand Model, MineSpans by McKinsey

- Class 1 nickel (majority derived from sulphides) have an average footprint of 13kg CO2/kg nickel whereas **Class 2 Nickel is extremely energy intensive**, resulting in a footprint of up to 60kg CO2/kg Nickel
- Production of Class 1 Nickel Ore has been under supply pressure for some time and is projected to be in deficit by 2025. With demand base case scenario showing a need for **~50% increase in supply by the early 2030s**
- With the advent of the world economies transitioning from fossil fuels to renewable energies – like wind and solar – the need for increased energy storage capacity from batteries is becoming ever more important. Utilities need to be able to store energy when the wind is blowing and the sun is shinning, to support their grid's energy needs when those inputs aren't available. The same is true for EV revolution, where the transition away from combustion engines towards electric vehicles powered by batteries is becoming the norm.
- It is for these reasons at our **100%-owned HPM 648 km² Property**, situated in the Haut Plateau de la Manicouagan Region of Quebec, we are focused on the discovery and **development of high-grade Nickel sulphide deposits,** in an emerging **new nickel district**

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MURCHISON MINERALS' APPROACH

OUR APPROACH

2022

OUR PROCESS

- Discovery of energy metals in underexplored areas with camp scale potential – within the best mining jurisdictions in the world.
- Establishing a dominant land position.
- Systematically testing targets with the latest technologies, with an eye to advancing projects in the most efficient and cost-effective manner.

OUR PROJECTS

- HPM (Haut-Plateau de la Manicouagan) Ni-Cu-Co project in Quebec
- BMK (Brabant-McKenzie) VMS Zn-Cu-Ag Project in Saskatchewan

OUR PEOPLE

- Highly experienced board with the likes of JC Potvin and Don Johnson.
- Strong shareholder base, where Michael Gentile took the lead on our last financing this past October, where insiders and strategic investors hold approximately 50% of outstanding shares.
- Solid management team with Troy Boisjoli joining the company as CEO-President last fall, John Shmyr being appointed VP of exploration last spring., and Dr. Peter Lightfoot coming on as lead technical advisor for our HPM project.

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MURCHISON MINERALS' APPROACH

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Murchison Overview

Share Structure as of December 5th, 2022	
Common Shares	218,211,957
Stock Options	19,180,000
Warrants	30,019,055
Fully Diluted	267,411,012
Insider and Strategic Investors	~50% O/S
Current Share Price CAD	$0.115
Market Capitalization (Partially Diluted) CAD	$26,185,434
Average Daily Volume (TSXV)	350,276
52 Week High CAD	$0.165
52 Week Low CAD	$0.065

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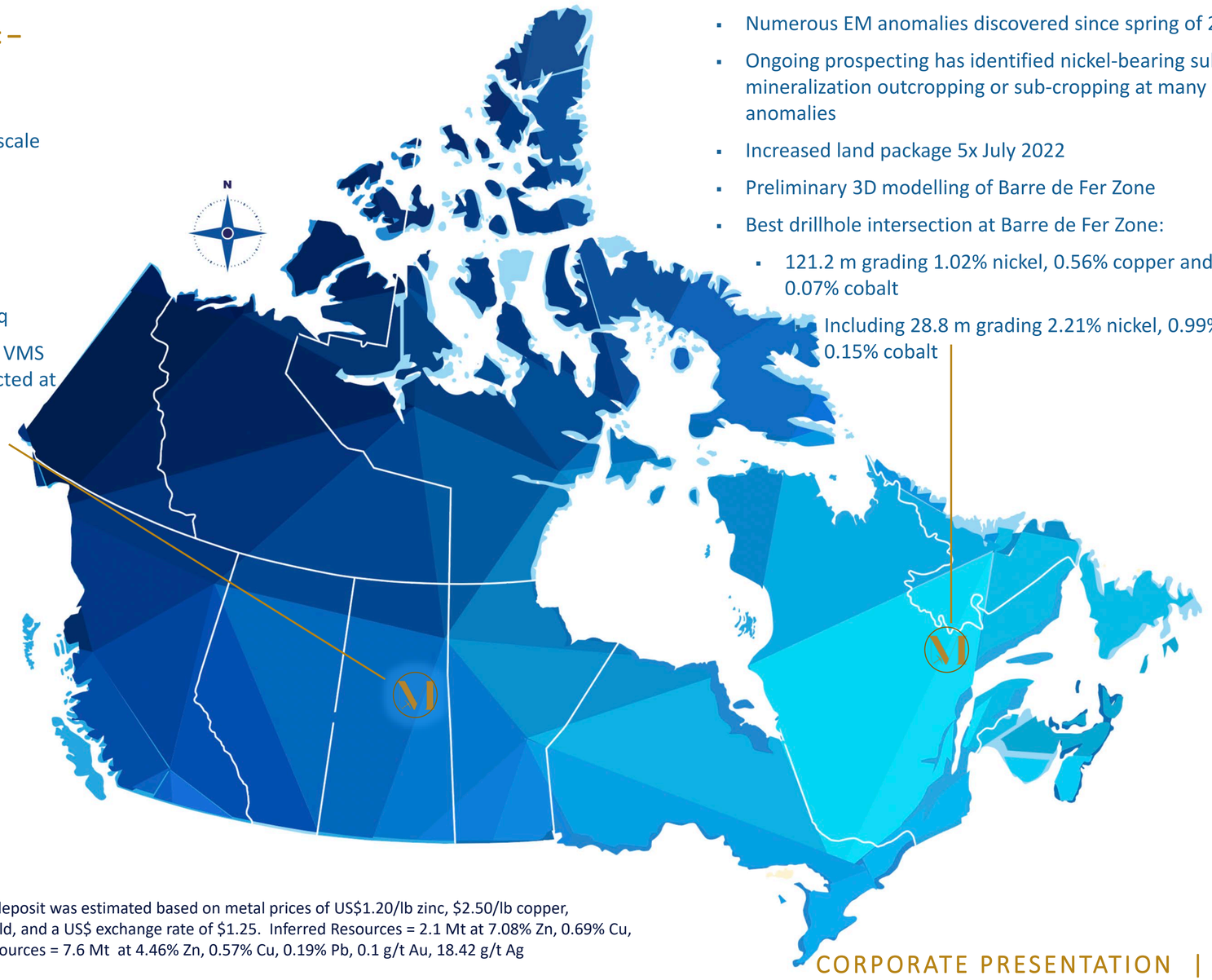
MURCHISON MINERALS' SNAPSHOT

Brabant-McKenzie VMS Deposit – Saskatchewan

- 100% owned
- Dominant land position with camp scale VMS potential
- Year-round road and power access
- Resource (1)
  - Inferred: 7.6 Mt @ 6.29% ZnEq
  - Indicated: 2.1 Mt @ 9.98% ZnEq
- 10 highly prospective VMS targets - VMS style mineralization already intersected at Main Lake and Betty target areas



HPM Ni-Cu-Co Project - Quebec

- 100% owned since 2019
- Comprising 648 km^2 of continuous mineral claims
- Dominant land position with camp scale Ni-Cu-Co potential
- Rail access within 8 km of project area, ~225 km to Port of Sept Iles
- Numerous EM anomalies discovered since spring of 2021
- Ongoing prospecting has identified nickel-bearing sulphide mineralization outcropping or sub-cropping at many of the EM anomalies
- Increased land package 5x July 2022
- Preliminary 3D modelling of Barre de Fer Zone
- Best drillhole intersection at Barre de Fer Zone:
  - 121.2 m grading 1.02% nickel, 0.56% copper and 0.07% cobalt
    - Including 28.8 m grading 2.21% nickel, 0.99% copper, and 0.15% cobalt

(1) The resource for the Brabant-McKenzie zinc deposit was estimated based on metal prices of US$1.20/lb zinc, $2.50/lb copper, $1.00/lb lead, $16.00/oz silver and $1200/oz/gold, and a US$ exchange rate of $1.25. Inferred Resources = 2.1 Mt at 7.08% Zn, 0.69% Cu, 0.49% Pb, 0.23 g/t Au, 39.6 g/t Ag. Indicated Resources = 7.6 Mt at 4.46% Zn, 0.57% Cu, 0.19% Pb, 0.1 g/t Au, 18.42 g/t Ag

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MURCHISON MINERALS' HPM PROJECT

HPM | Quebec

Ni-Cu-Co Project

HPM QUEBEC

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HPM | 100% Owned | Ni-Cu-Co Project

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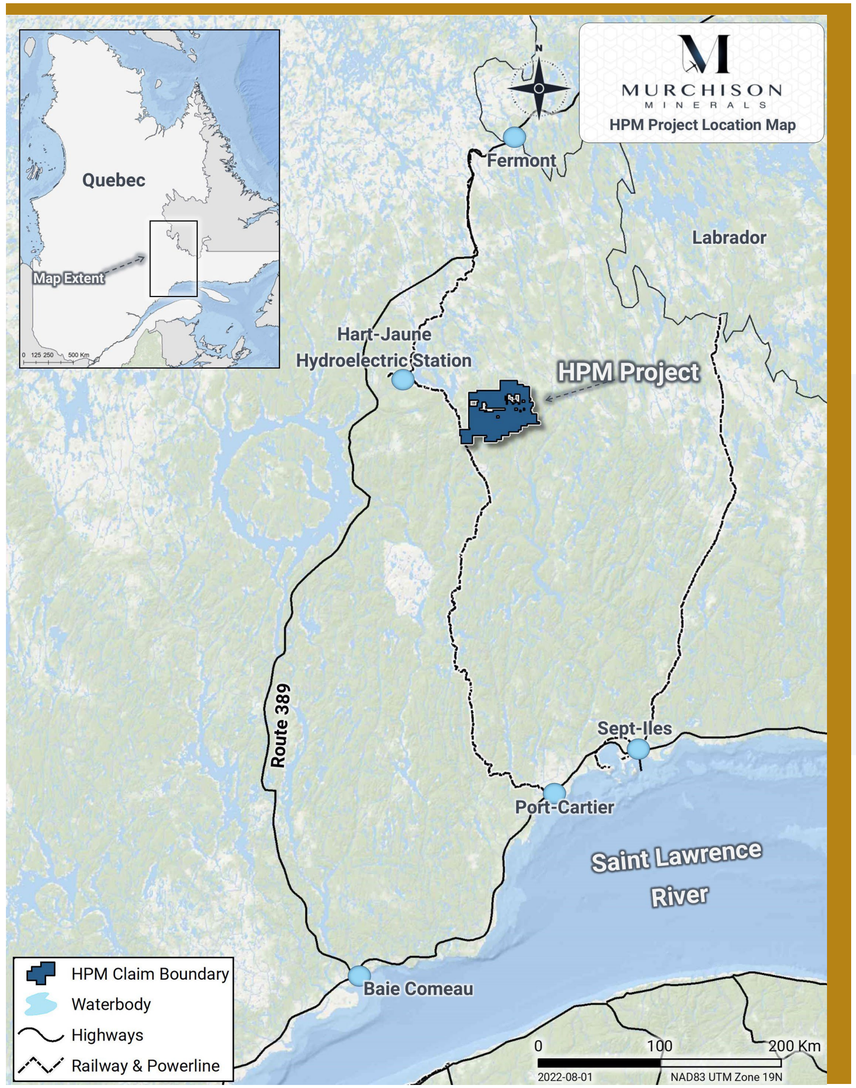
MURCHISON MINERALS' HPM PROJECT



Project Area

- Located in the Haut-Plateau de la Manicouagan region of Quebec, adjacent to the Manicouagan Impact Structure
- Excellent infrastructure with existing and maintained rail line within 8 km of the project site - direct access to two deep water ports
- Hart-Jaune Hydroelectric Station approximately 30 km from site
- Maintained road west of site - Quebec Route 389
- Project area adjacent to prolific iron mining jurisdiction
- Murchison's claims cover 648 km^2 of highly-prospective geology.
- Project area is currently accessed via helicopter, however, road access is currently being evaluated

HPM | District Scale Potential

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MURCHISON MINERALS' HPM PROJECT

1. HISTORY:

In 1999 Falconbridge discovers Ni-Cu-Co mineralization. Falconbridge's interest acquired by Pure Nickel who partnered with Murchison's predecessor in 2007, drilling the Barre de Fer deposit in 2008. Murchison acquires 100% interest in 2019

2. GEOLOGICAL SETTING:

Manicouagan Metamorphic Complex is comprised of extensive areas of mafic and ultramafic rock displaying repeated pulses of mafic magma that have intruded sulphide-bearing metasedimentary rocks.

3. PROPERTY SCALE EXPLORATION:

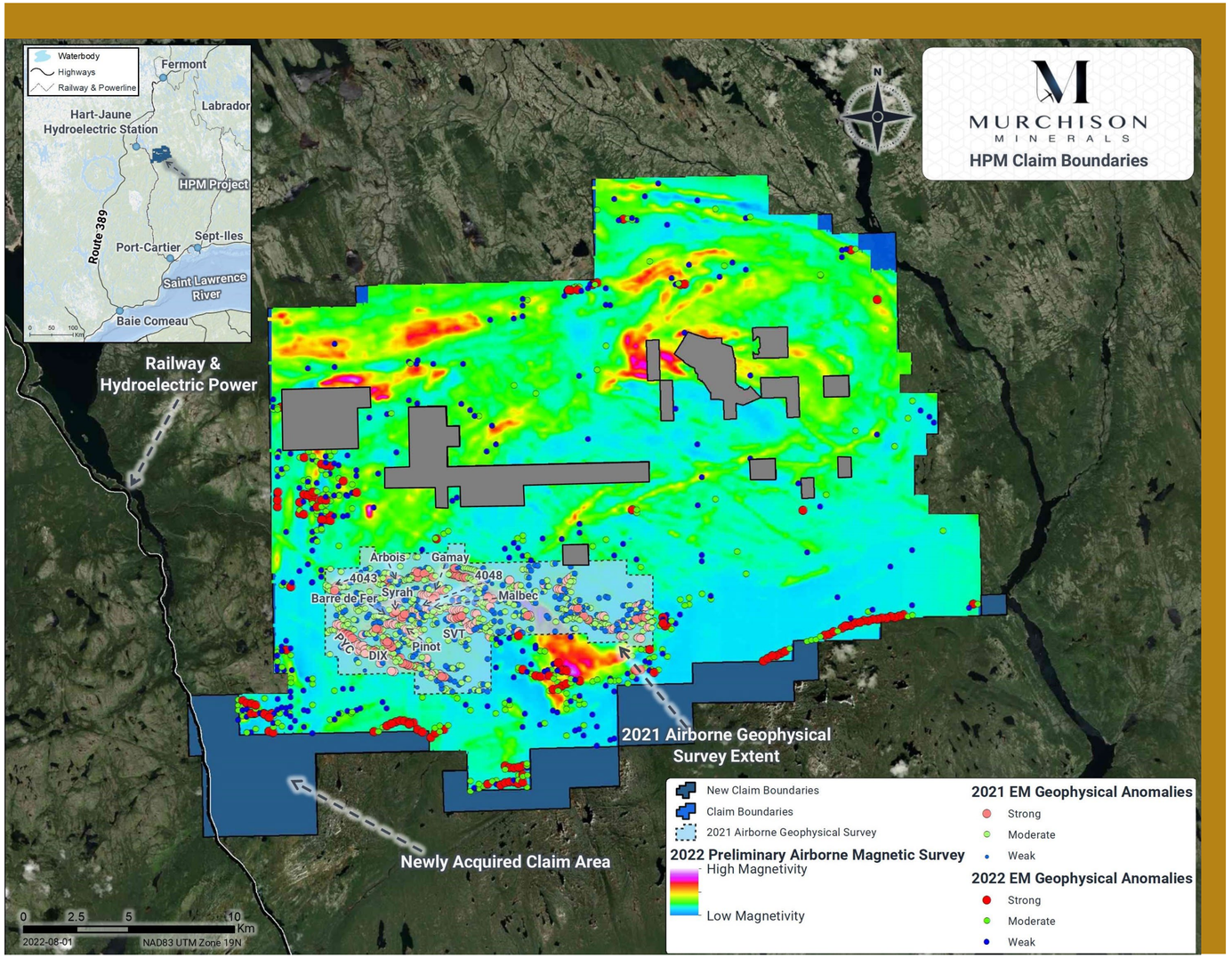
VTEM surveys completed in 2021 and 2022 have covered ~648 km^2 of the property extents, and have identified numerous EM anomalies.

4. PROSPECTIVITY:

Numerous Ni-Cu-Co occurrences identified by mineralized grab samples during previous prospecting field programs.

5. DRILLING:

Drilling has proved that the conductive anomalies first identified by VTEM, and confirmed to be sulphide mineralization via prospecting, extend at depth.



HPM | District Scale Potential

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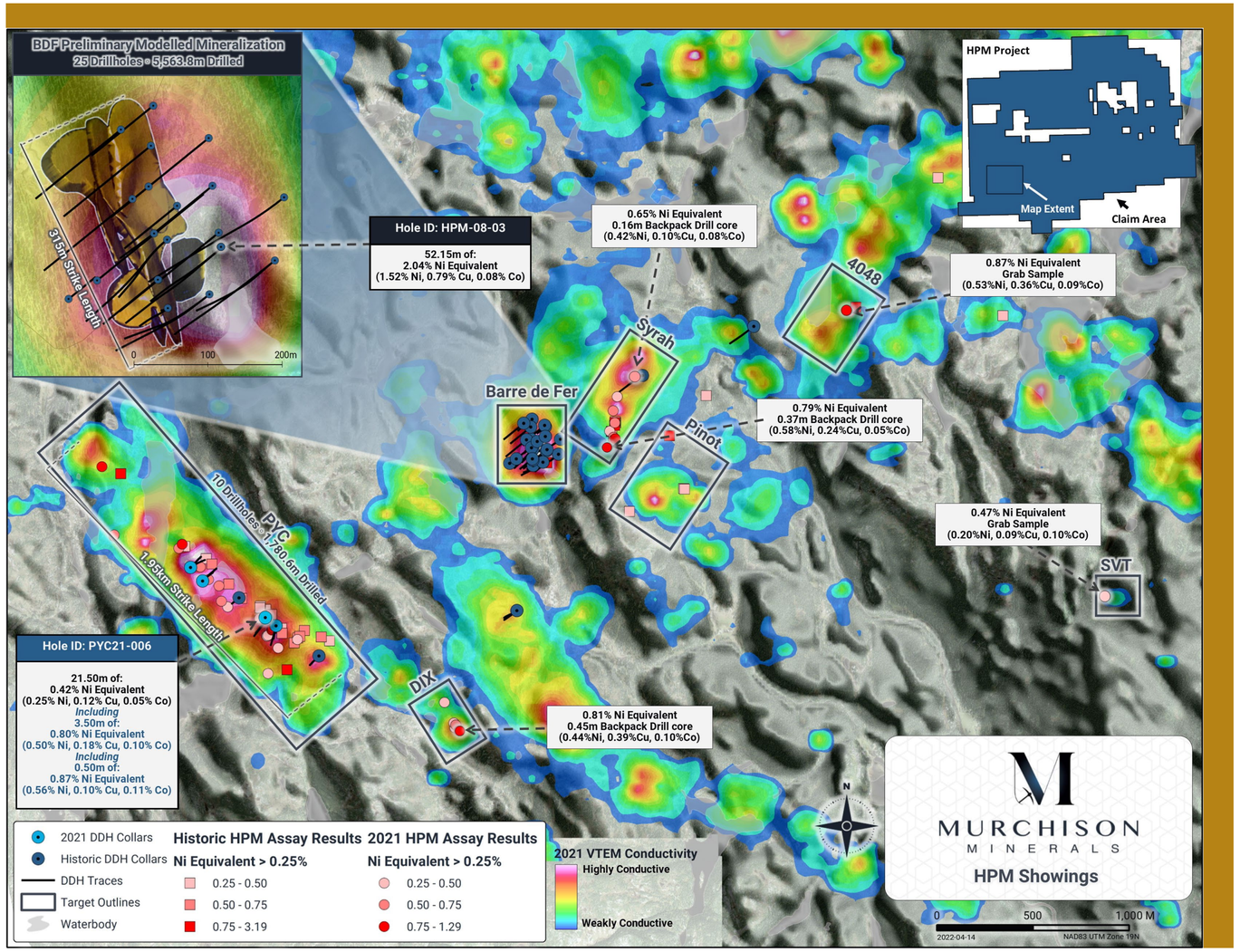
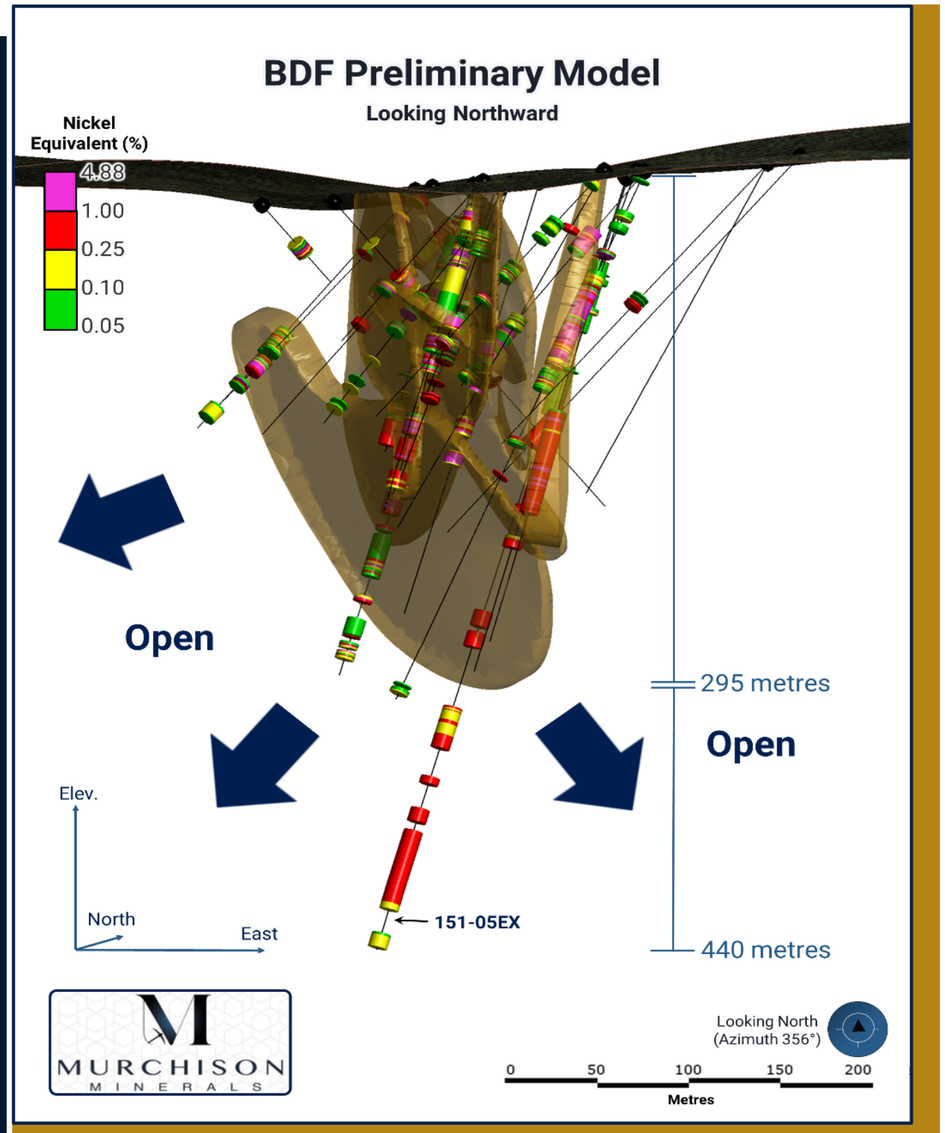
MURCHISON MINERALS' HPM PROJECT



High Priority Targets

- **Barre de Fer**
  - High grade nickel, copper, cobalt mineralization discovered on surface
  - 25 drill holes between 2001 – 2008
  - Mineralization currently has a strike length of 315 m and has been intersected to a vertical depth of 440 m
  - Mineralization is open at depth and along strike
- **Syrah**
  - Adjacent to Barre de Fer with similar geophysical and geochemical signatures
  - Ni-Cu-Co outcropping on surface up to 0.79% Ni Eq
  - Possibly connected to Barre de Fer at depth
  - Drill tested in 2008, however, based on latest VTEM modeling the target was missed
- **PYC**
  - 1.95 km long geophysical anomaly
  - Nickel, copper, cobalt mineralization mapped on surface over a strike length of 1.7 km up to 42 m thick
  - Grades up to 1.29% Ni Eq on surface
  - Recently drill tested over 550 m of strike length, with broad zones of low-grade Ni-Cu-Co bearing sulphide mineralization intersected in all 8 holes

HPM | Barre de Fer



Barre de Fer Zone Information

- The BDF Zone (the "Zone") is currently defined by 25 diamond drill holes with 5,564 metres of drilling completed between 2001 and 2008
- The Zone outcrops on surface, based on the modelling, has a strike length of 315 m, and is composed of multiple stacked lenses over a maximum 150 m wide zone. Individual lenses have a maximum thickness of 28 m. The modelled mineralization extends to a vertical depth of 295 m. Extensive mineralization has also been intersected outside the current model, up to a vertical depth of 440 m. The Zone remains undrilled and unconstrained along strike and at depth.
- Modelling indicates the setting, style, and high-grade characteristics of the BDF Zone are favourable for advancing a strategy to expand and delineate the Zone and surrounding prospective areas during the 2022 summer drill program.
- The BDF Zone is one of multiple Ni-Cu-Co prospects on the 100% – owned HPM Project, which is strategically located eight km from a rail line and within 30 km of Hart-Jaune hydroelectric power generating facility – located in Quebec, one of the world's most stable and best mining jurisdictions.

Troy Boisjoli President and CEO

"The potential at Barre de Fer to grow a significant high-grade near-surface mineral resource, likely amenable to open-pit mining, is exceptional. The planned 2022 exploration program, based on the work of the technical team, will leverage previous exploration at BDF with the objective to materially advance the project."

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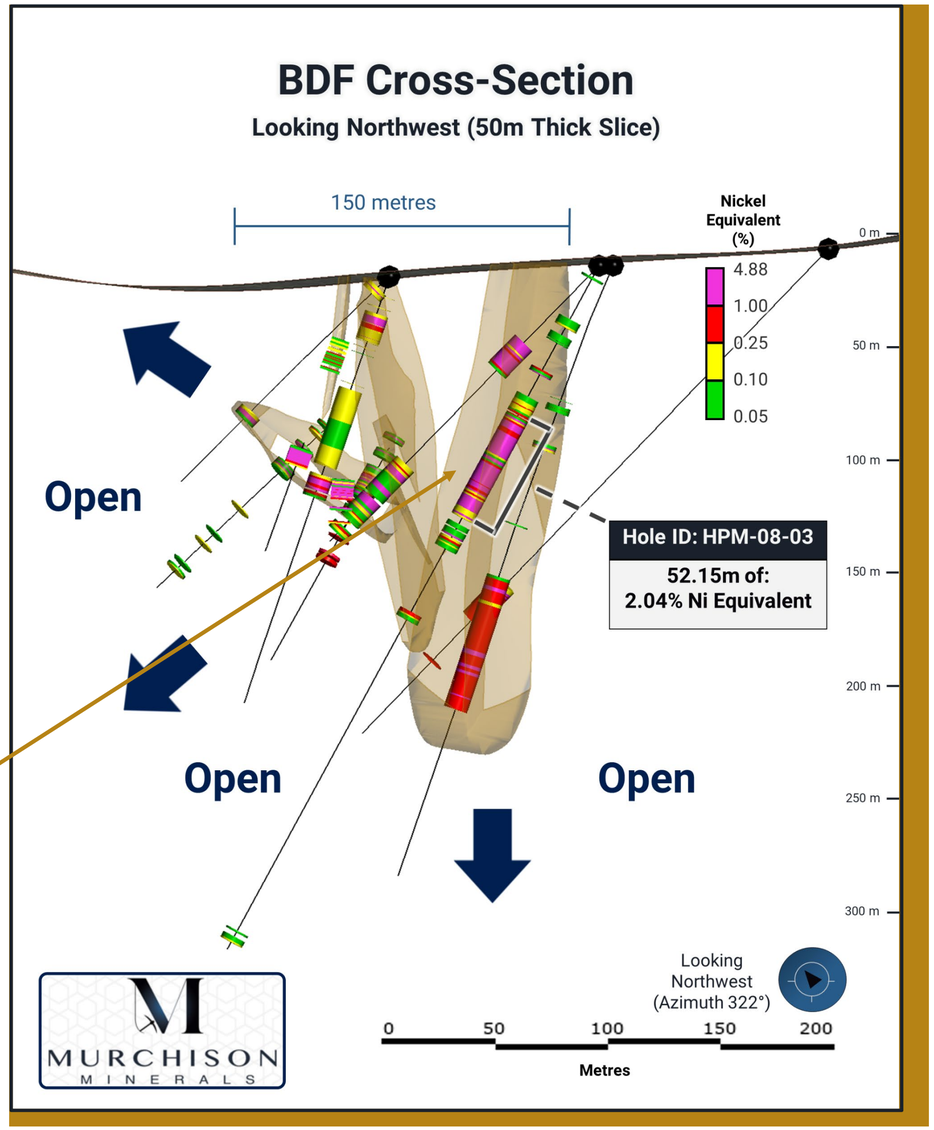
HIGHLIGHTS | Previous Drilling BDF

MURCHISON MINERALS' HPM PROJECT

Hole		From (m)	To (m)	Length* (m)	Ni %	Cu %	Co %	Ni Eq. %**
HPM-08-03		52.54	54.96	2.42	0.47	0.19	0.03	0.61
		70.86	71.36	0.5	0.37	0.29	0.02	0.54
		74.45	**126.60**	**52.15**	**1.52**	**0.79**	**0.08**	**2.04**
	includes	***79.82***	***82.94***	***3.12***	***2.24***	***1.31***	***0.11***	***3.05***
	includes	***82.43***	***82.94***	***0.51***	***2.3***	***4.81***	***0.12***	***4.44***
		136.07	139.42	3.35	0.33	0.14	0.02	0.44
		174.75	176.40	1.65	0.33	0.2	0.02	0.45
HPM-08-04		**47.73**	**63.68**	**15.95**	**1.64**	**0.63**	**0.08**	**2.12**
		125.40	**130.50**	**5.1**	**1.23**	**0.47**	**0.06**	**1.59**
		136.75	**139.40**	**2.65**	**2.08**	**1.24**	**0.11**	**2.85**
		144.17	**154.92**	**10.75**	**1.05**	**0.63**	**0.06**	**1.44**
	includes	***144.17***	***148.22***	***4.05***	***2.31***	***1.35***	***0.11***	***3.15***
		162.95	164.00	1.05	0.12	0.54	0.01	0.36
2002		24.20	24.60	0.4	0.94	0.52	0.07	1.33
		35.15	**53.25**	**18.1**	**0.93**	**0.28**	**0.07**	**1.23**
		98.90	112.15	13.25	0.57	0.42	0.05	0.86
		139.6	**150.2**	**10.6**	**1.29**	**0.9**	**0.09**	**1.9**
	includes	***146.7***	***149.05***	***2.35***	***2.76***	***2.19***	***0.2***	***4.15***
		153.1	165.7	12.6	0.35	0.16	0.03	0.49
		172.55	181.45	8.9	0.25	0.1	0.02	0.35

** Reported as core length, true thickness is not known. **Nickel Equivalent (NiEq) values were calculated using the following USD metal prices from Mar 23, 2022: $12.76/lb Nickel, $4.76/lb Copper and $37.20/lb Cobalt.*

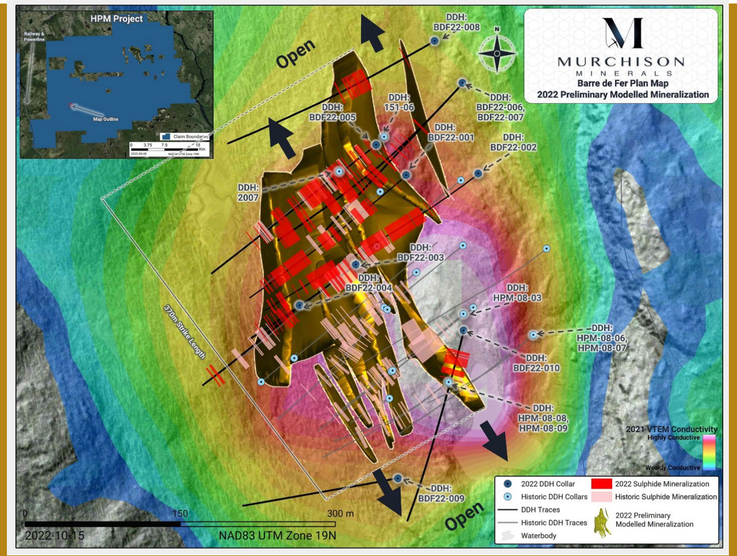
Magmatic Nickel Sulphide Mineralization from HPM-08-03

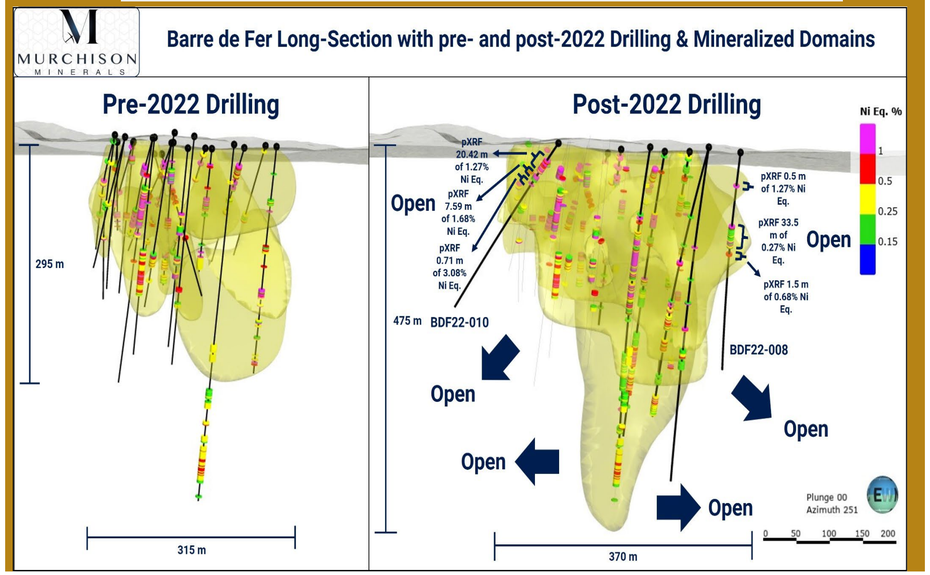


HIGHLIGHTS | 2022 Barre de Fer

2022 Diamond Drilling Barre de Fer

- During the 2022 Summer Exploration Program a total of 10 diamond drill holes were completed at the BDF Zone, comprising 3,355 metres
- The Company successfully expanded the footprint of BDF:
  - Mineralization at depth has now been extended down to 475 m, versus the preliminary model at 295 m
  - Along strike, the zone of mineralization has been extended from 315 m to 370 m
  - Mineralization was expanded along the width of the mineralized zone from 150 m to 200 m, with individual lenses now modelled up to 48 m in thickness, compared to the 28 m in the preliminary version
- Additionally, during the summer exploration program and extensive surface prospecting program was conducted on surface at BDF, with multiple areas of interest discovered along strike from the main zone of mineralization





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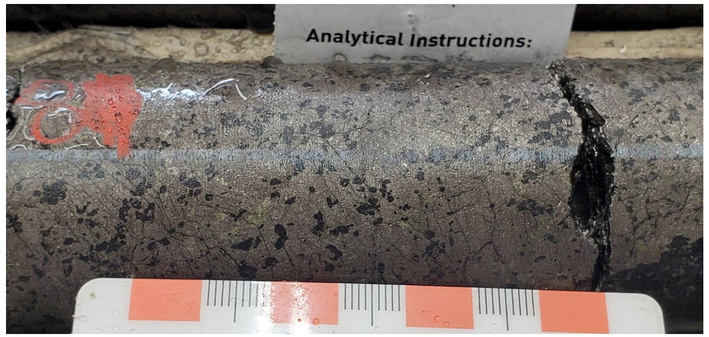
HIGHLIGHTS | 2022 Drilling BDF

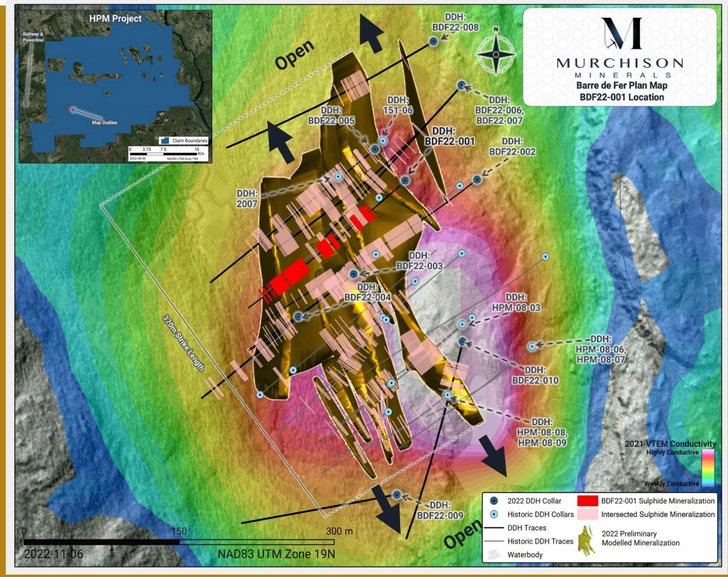
MURCHISON MINERALS' HPM PROJECT

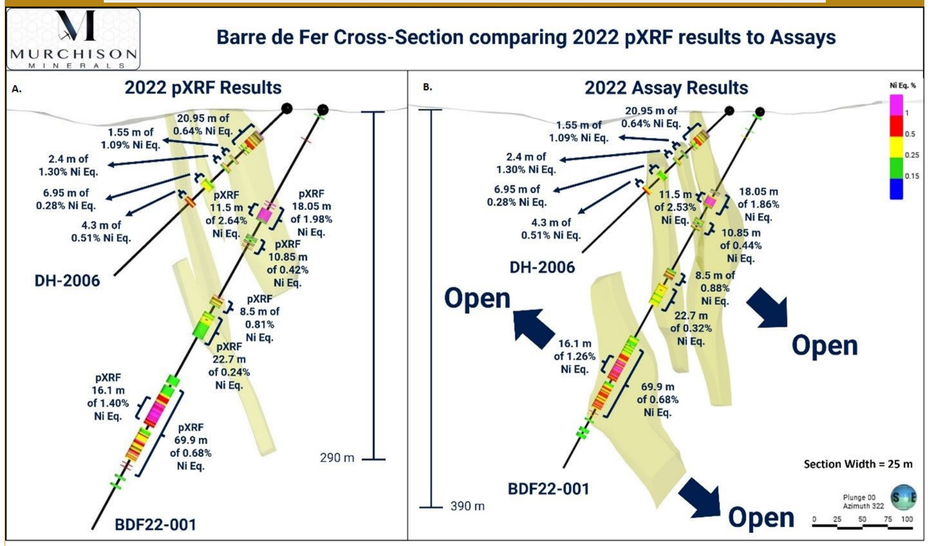
Hole		From (m)	To (m)	Interval (m)*	Ni %	Cu %	Co %	NiEq. %**	CuEq. %**
BDF22-001		89.95	108	18.05	1.44	0.44	0.1	1.86	5
	Includes	**96.5**	**108**	**11.5**	**1.98**	**0.56**	**0.13**	**2.53**	**6.8**
	Includes	**97.8**	**105.9**	**8.1**	**2.69**	**0.69**	**0.18**	**3.41**	**9.16**
		122	132.85	10.85	0.29	0.24	0.03	0.44	1.18
		180.5	189	8.5	0.62	0.37	0.05	0.88	2.36
		196.5	219.2	22.7	0.23	0.11	0.02	0.32	0.85
		267	336.93	69.93	0.5	0.23	0.04	0.68	1.83
	Includes	**283.4**	**299.5**	**16.1**	**0.92**	**0.43**	**0.07**	**1.26**	**3.38**

** Reported as core length, true thickness is not known. **Nickel Equivalent (Ni Eq) & Copper Equivalent (Cu Eq) values were calculated using the following USD metal prices from Sept 12, 2022: $10.84/lb Nickel, $3.63/lb Copper, and $23.56/lb Cobalt. Ni Eq.% was calculated using Ni%+((Cu Price/Ni Price) *Cu %)+((Co Price/Ni Price) *Co %). Cu Eq.% was calculated using Cu%+((Ni Price/Cu Price)* Ni %)+((Co Price/Cu Price)*Co %).*



Magmatic Nickel Sulphide Mineralization from BDF22-001





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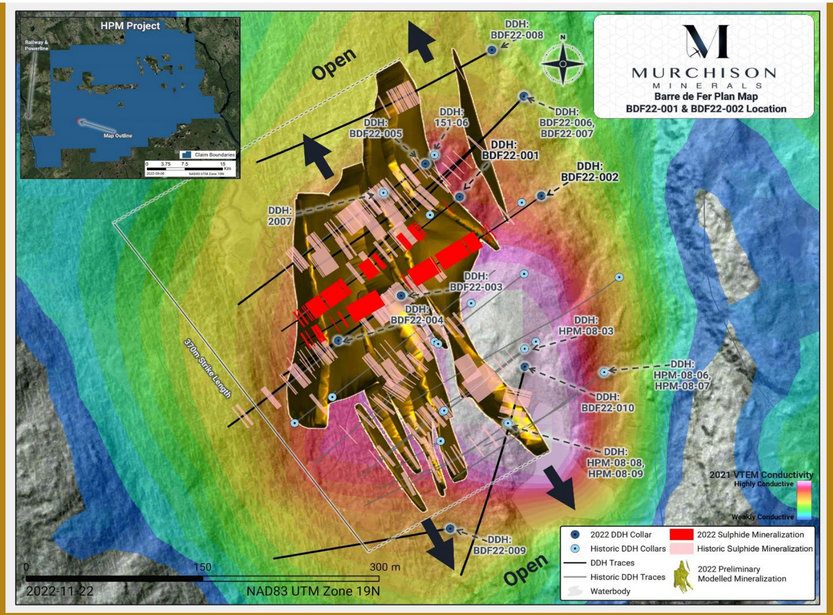
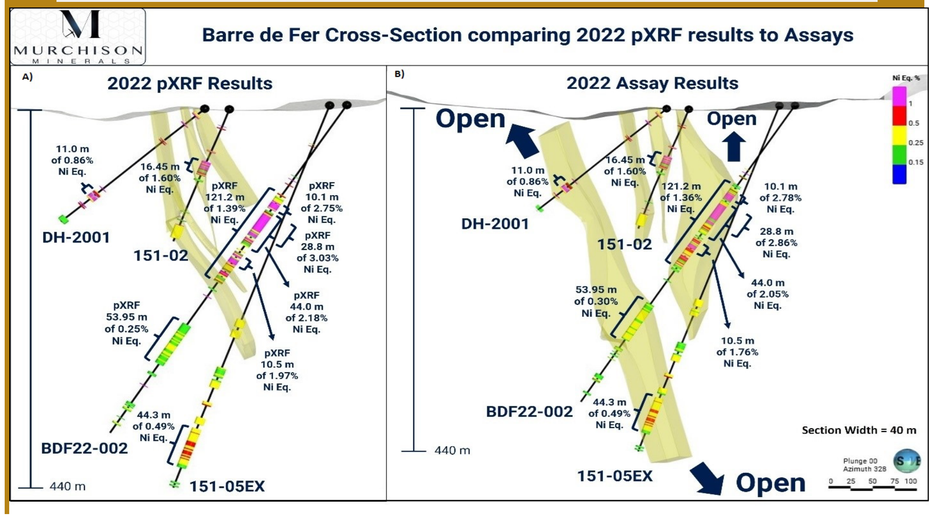
HIGHLIGHTS | 2022 Drilling BDF

Hole		From (m)	To (m)	Length* (m)	Ni %	Cu %	Co %	NiEq. %**	CuEq. %**
BDF22-002		123.8	245	121.2	1.02	0.56	0.07	1.36	4.07
	Includes	**134.1**	**144.2**	**10.1**	**2.08**	**1.17**	**0.14**	**2.78**	**8.31**
	Includes	**152**	**196**	**44**	**1.58**	**0.71**	**0.11**	**2.05**	**6.14**
	Including	***152***	***180.8***	***28.8***	**2.21**	**0.99**	**0.15**	**2.86**	**8.55**
	Including	***152.5***	***173.5***	***21***	**2.45**	**1.22**	**0.16**	**3.21**	**9.59**
	Including	***177.05***	***180.8***	***3.75***	**2.85**	**0.57**	**0.19**	**3.45**	**10.3**
	Includes	**207.5**	**218**	**10.5**	**1.3**	**0.8**	**0.09**	**1.76**	**5.26**
		303.55	357.5	53.95	0.22	0.1	0.02	0.3	0.88

** Reported as core length, true thickness is not known. **Nickel Equivalent (Ni Eq) & Copper Equivalent (Cu Eq) values were calculated using the following USD metal prices from Sept 12, 2022: $10.84/lb Nickel, $3.63/lb Copper, and $23.56/lb Cobalt. Ni Eq.% was calculated using Ni%+((Cu Price/Ni Price) *Cu %)+((Co Price/Ni Price) *Co %). Cu Eq.% was calculated using Cu%+((Ni Price/Cu Price)* Ni %)+((Co Price/Cu Price)*Co %).*

Magmatic Nickel Sulphide Mineralization from BDF22-002

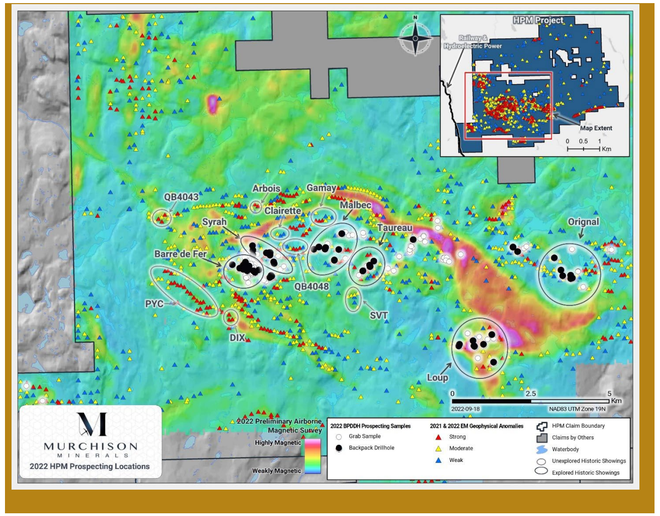


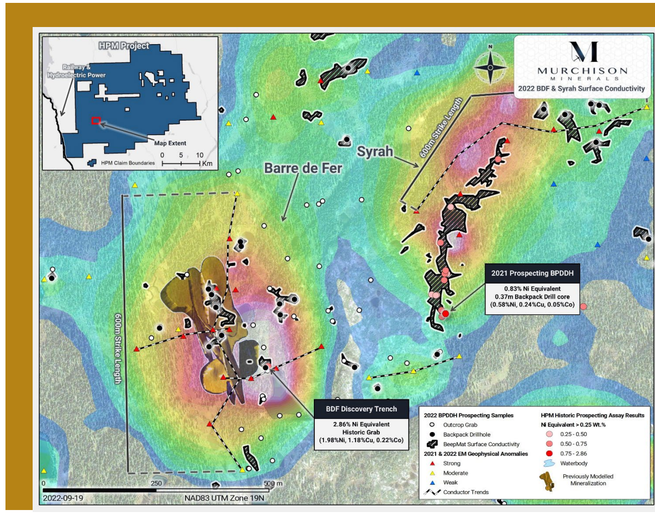


HIGHLIGHTS | 2022 Prospecting

2022 HPM Regional Prospecting

- Regional prospecting discovered numerous new showings of sulphide mineralization, outcropping and subcropping at surface including the newly titled target areas: Taureau, Loup, and Orignal.
- Intersected semi-massive sulphide mineralization at the Taureau showing
- At Barre de Fer (BDF Zone), the strike length of the prospective airborne electromagnetic (EM) anomaly was expanded to approximately 600 m.
- Located disseminated sulphide mineralization, coincident with an adjacent Beep Mat anomaly, outcropping 120 m along strike to the southwest of the BDF Zone.
- Expanded surface sulphide mineralization at Syrah contiguously from 375 m to approximately 780 m through "beep mat" surveying and backpack drill sampling.





Closeup of mineralization in backpack core from the Taureau showing with semi-massive sulphide (pyrrhotite and chalcopyrite) mineralization.

Semi-massive sulphide mineralization observed in backpack drill core at Taureau showing.

HPM | Blue Sky Potential

2022

MURCHISON MINERALS' HPM PROJECT

COMPLETED

- ✓ Mapping, Geochem, Geophysics, Trenching
- ✓ Drilling - 32 holes, 6,469 m (between 2001 & 2008), intersecting numerous high-grade Ni-Cu-Co intervals in several target areas
- ✓ Initial deposit discovered at Barre de Fer, open at depth
- ✓ Prospecting identified numerous Ni-Cu-Co mineralized showings
- ✓ Numerous unexplored airborne EM anomalies require follow-up
- ✓ VTEM-Plus airborne survey completed
- ✓ Field prospecting including mapping, sampling and backpack drilling already completed on several targets
- ✓ Completed inaugural drill program at PYC target, possible bulk tonnage discovery
- ✓ Expanded dominant land position from 139 km^2 to 576 km^2
- ✓ Completed Preliminary 3D modelling of the Barre de Fer Zone
- ✓ Completed VTEM survey covering entire HPM project area

WHAT'S NEXT

- Final results from VTEM survey flown over the entirety of the 648 km^2 the survey was designed to identify EM anomalies which are potentially coincidental with nickel-bearing sulphide mineralization outcropping or subcropping
- Release assay results from the remaining 11 diamond drill holes from the 2022 summer program – 8 holes from BDF and 3 from Syrah – samples have been sent SRC Laboratories in Saskatoon, SK
- Producing a maiden resource on the BDF Zone in Q1 of 2023

MURCHISON MINERALS

MURCHISON MINERALS' BMK PROJECT

BMK | Saskatchewan

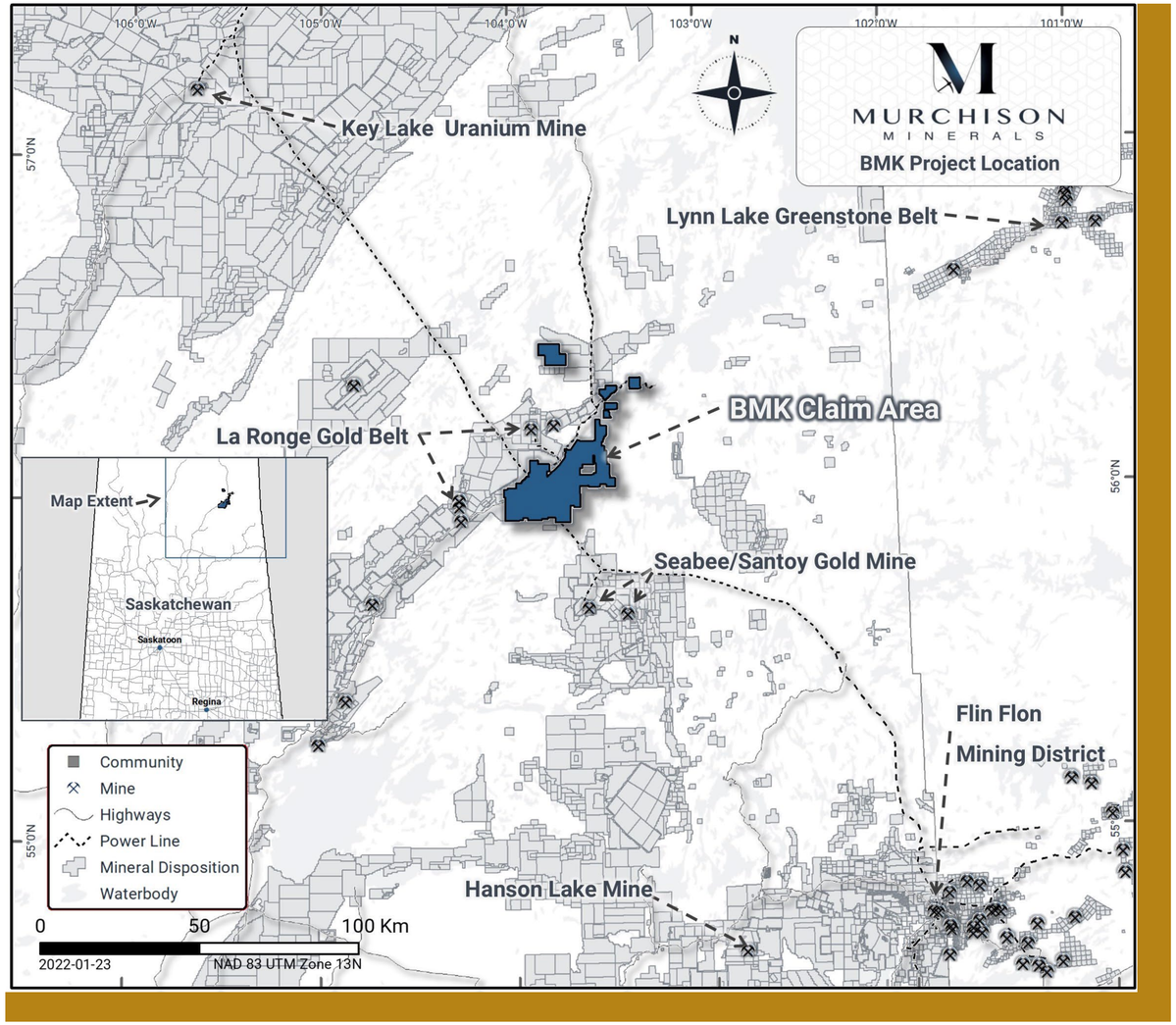
Zn-Cu-Ag Project

CORPORATE PRESENTATION | **TSXV: MUR** | OTCQB: **MURMF**

BMK | 100% Owned | VMS Project

MURCHISON MINERALS' BMK PROJECT

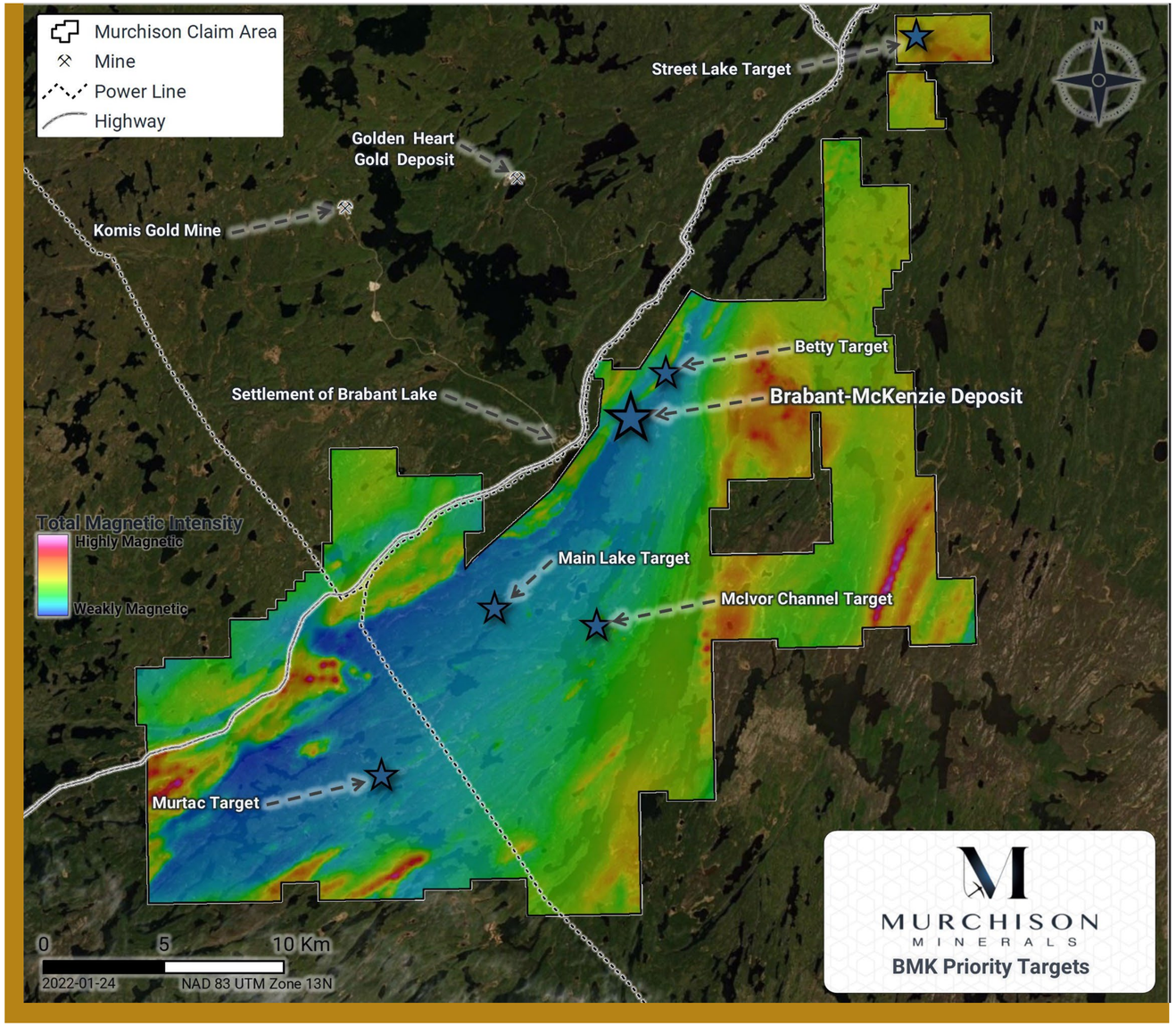
- Located in northeast Saskatchewan approximately 170 km north-east of La Ronge
- Excellent Infrastructure
- Maintained road on the property – Saskatchewan HWY 102
- Existing power-lines running through project site
- Project area lies within an active and historic mining jurisdiction
- Community of Brabant Lake adjacent to the project area
- Entire 627 km^2 land package covered with modern VTEM surveys; highly-prospective for VMS deposits, as well as gold.



BMK | Camp Scale Potential

2022

MURCHISON MINERALS' BMK PROJECT



1. GEOLOGIC SETTING:

   Similar geological environment as Flin Flon, Lalor Lake, Lynn Lake and Snow Lake Deposits. Hosts BMK deposit which is metamorphosed sedimentary volcanogenic massive sulphide deposit within the underexplored Kisseynew metasedimentary belt associated with the La Ronge metavolcanics.

2. PROPERTY SCALE EXPLORATION:

   Claims cover extensive area of similar stratigraphy that hosts the BMK deposit. Claim area has now been covered with VTEM surveys highlighting numerous prospective conductors. Project is large enough to host a VMS mining camp.

3. UPSIDE POTENTIAL FOR MORE VMS:

   VMS deposits occur in clusters and BMK is the only known deposit in the area. VMS mineralization and alteration has now been intersected at the Betty and Main Lake targets.

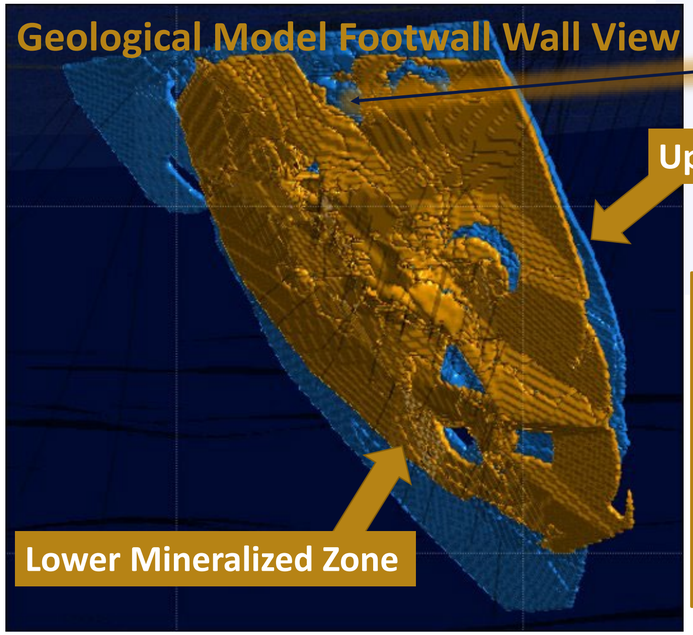
MURCHISON MINERALS

BMK | Deposit Highlights

2022

MURCHISON MINERALS' BMK PROJECT

- Mineralization occurs as disseminated to massive, semi-massive and breccia-vein sulphides
- Coarse-grained (recrystallized), pyrrhotite, sphalerite, chalcopyrite and galena
- Outcrops at surface, dip averages -51 degrees NW
- Mineralization tentatively correlated over 1,100 m strike length
- 2 mineralized zones defined:
  - **Upper Mineralized Zone**
    - Defined over strike and dip length of 1 km at 50 m depth
    - Maximum width to 16 m, averages 5.3 m
  - **Lower Mineralized Zone**
    - Up to 25-30 m below upper zone
    - Defined over strike and dip length of 800 m from surface
    - Maximum width to 18 m, averaging 6.7 m



- Hole BM21-004 confirms the continuity of the high-grade mineralization within the deposit with 15.35 metres of continuous sulphide mineralization at 13.16% Zn Eq at the peripheral edge of Indicated Mineral Resources.

- The intersection consists of: 9.07% Zn, 0.81% Cu, 0.26% Pb, 0.11 g/t Au and 35.11 g/t Ag from 341.20 to 356.55 metres

Indicated Resource	Tonnes	% Zn	% Cu	% Pb	g/t Au	g/t Ag	% Zn Equiv.
Lower Mineralized Zone	1,200,000	8.13	0.75	0.67	0.28	48.00	11.53
Upper Mineralized Zone	900,000	5.7	0.6	0.24	0.17	28.52	7.93
TOTAL	2,100,000	7.08	0.69	0.49	0.23	39.6	9.98

Inferred Resource	Tonnes	% Zn	% Cu	% Pb	g/t Au	g/t Ag	% Zn Equiv.
Lower Mineralized Zone	2,700,000	4.88	0.55	0.42	0.14	29.02	7.14
Upper Mineralized Zone	4,900,000	4.22	0.57	0.06	0.08	12.46	5.81
TOTAL	7,600,000	4.46	0.57	0.19	0.10	18.42	6.29

Image Source: Brabant-McKenzie Property, Saskatchewan, Canada, Murchison Minerals Ltd. September 4, 2018 Prepared by Finley Bakker Consulting, Campbell River, BC, and Murchison Minerals Ltd.

BMK | Blue Sky Potential

2022

MURCHISON MINERALS' BMK PROJECT

COMPLETED

- ✓ 2017-2018 large in-fill drill program
- ✓ NI-43-101 report in October of 2018, resource expanded significantly
- ✓ Winter 2019 – 2020 completed VTEM coverage across all claims
- ✓ Summer 2019 – 2020 extensive prospecting program
- ✓ Winter 2020 exploration drill program, discovered VMS style mineralization at Main Lake target
- ✓ Winter 2021 exploration drill program, discovered VMS style mineralization at Betty target
- ✓ Summer 2021 completed preliminary metallurgy with exceptional results

WHAT'S NEXT

- 2022 completing comprehensive desktop study on results to date, in order to systematically optimize future drill programs
- Expanding high-grade domains and testing along strike and down dip from current deposit extents
- Continuing exploration drilling at Main Lake and Betty targets

Executive & Board of Directors

2022

JEAN-CHARLES (JC) POTVIN, B.Sc. (Hon), MBA
Executive Chairman

- Co-founder of the Company
- President and CEO of Pangea Goldfields Inc. acquired by Barrick Gold Corporation for CA$204 million in 2000.
- Previously Director, Vice-President and top-ranked Equity Research Gold Analyst with Burns Fry (now BMO Nesbitt Burns).
- Currently a director of Azimut Exploration Inc., Golden Sun Resources and Murchison Minerals.

TROY BOISJOLI, B.Sc. Geology
President & CEO

- 15 years of cumulative exploration, project development, operations and regulatory experience.
- Formerly held positions of Vice President of Exploration and Community, and Vice President of Project Development and Operations with NexGen Energy

ERIK H. MARTIN CPA, CMA
Chief Financial Officer and Corporate Secretary

- 25 years of financial disclosure & management experience with publicly-listed resource companies.

JOHN SHMYR, B.Sc. Geology (Honours)
VP Exploration

- 10 years of experience in mineral exploration.
- Previously project geologist for BFR Copper & Gold, directly involved in the discovery of additional Cu-Zn mineralization at BFR's Flin Flon project.
- Registered member of the Professional Engineers and Geoscientists of Saskatchewan.
- Holds special authorization with the Ordre des Géologues du Québec.

DENIS C. ARSENAULT, B.Comm.
Independent Director

- Chair of the Audit Committee and member of the Compensation Committee.
- More than 40 years of professional experience with extensive board and governance committee experience.
- Held senior financial positions in a range of sectors including mining and resources.

DONALD K. JOHNSON, B.Eng., MBA, O.C.
Director

- Serves as a member of the Advisory Board of BMO Capital Markets.
- President of Burns Fry from 1984 to 1989.
- Served as Vice Chairman of BMO Nesbitt Burns until 2004.
- Formerly a Director of the Toronto Stock Exchange and Chairman of the Investment Dealers Association of Canada.
- Currently Emeritus Chairman of Goeasy Limited.
- Officer of the Order of Canada

DAVID PYPER, B.Eng., MBA.
Independent Director

- Chair of the Compensation Committee and member of the Audit Committee.
- Managing Partner at Blair Franklin Capital Partners Inc. of Toronto.
- David has more than 24 years of M&A and corporate finance experience in a wide variety of industries.

JACQUELINE LEROUX, P.Eng.
Independent Director

- 28 years of experience in the mining industry, specializing in environmental compliance.
- Director of Environment at Troilus Gold.
- Owner of JLeroux enr, a Quebec-based environmental consulting firm.

Cory Belyk
Independent Director

- 30 years of experience in the mining industry involved with companies at various stages from grassroot exploration to mining operations.
- Proven track record with successful discovery in the Athabasca Basin area.
- Served as a member of the board of several renowned mining firms including Cameco and CanAlaska Uranium.

Dr. Peter C. Lightfoot
Technical Advisor

- President and Chief Geologist of Lightfoot Geosciences
- Former Chief Geologist for Vale, Nickel: Base Metals Division
- Former Principal Geologist for Inco, Nickel Sulphide Global Porject Generation Program
- Adjunct Industry Professor in the Department of Earth Sciences at the University of Western Ontario

MURCHISON
MINERALS

2022 CORPORATE PRESENTATION

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