

Murchison Minerals' Recent Modelling of Barre de Fer Zone Indicates Significant Potential for Expansion of High-Grade Ni-Cu-Co Zones

written by Raj Shah | April 4, 2022

April 4, 2022 ([Source](#)) – Murchison Minerals Ltd. (“Murchison” or the “Company”) (TSXV:MUR)(OTCQB:MURMF) is pleased to announce the results from the recently completed recompilation and modelling of holes drilled at the Barre de Fer (BDF) Zone on the 100% – owned HPM (Haut-Plateau de la Manicouagan) Project, located in Quebec. Based on these results the Company is advancing a strategy to expand and delineate the BDF Zone and surrounding prospective areas during this summer’s planned drill program. In support of these plans, the Company is also pleased to announce that it has awarded the summer drilling contract, on the HPM property, to Logan Drilling.

The Company also wishes to invite interested parties to an Investor Webinar being hosted by CHF Capital Markets on April 12th at 2:00 EST where Troy Boisjoli – President and CEO of Murchison Minerals Ltd. – will be answering your questions on the HPM project. Questions can be submitted a head of time to: thomas@chfir.com To register copy and paste the link below in a supported browser:

<https://tinyurl.com/MURWebinar0422>

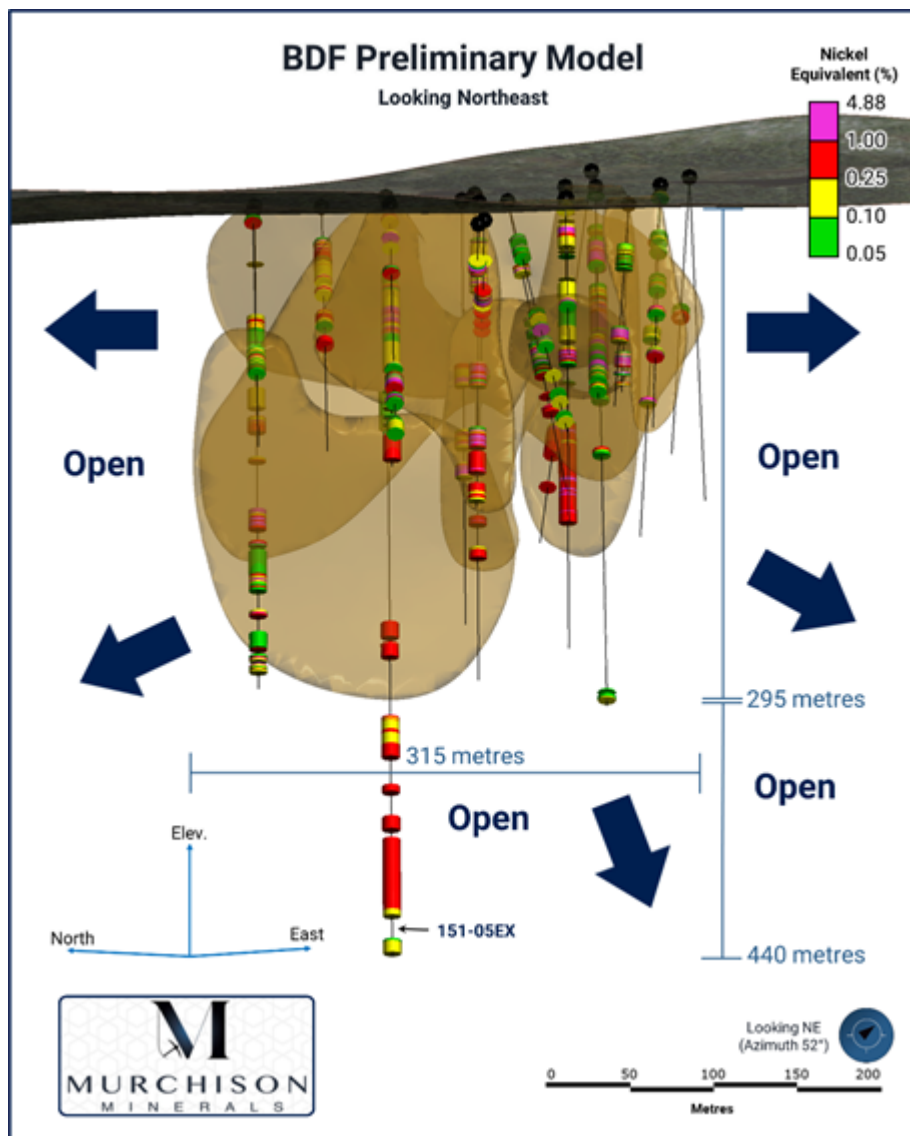


Figure 1: Barre de Fer Zone Preliminary Nickel Mineralization Model, isometric view looking Northeast

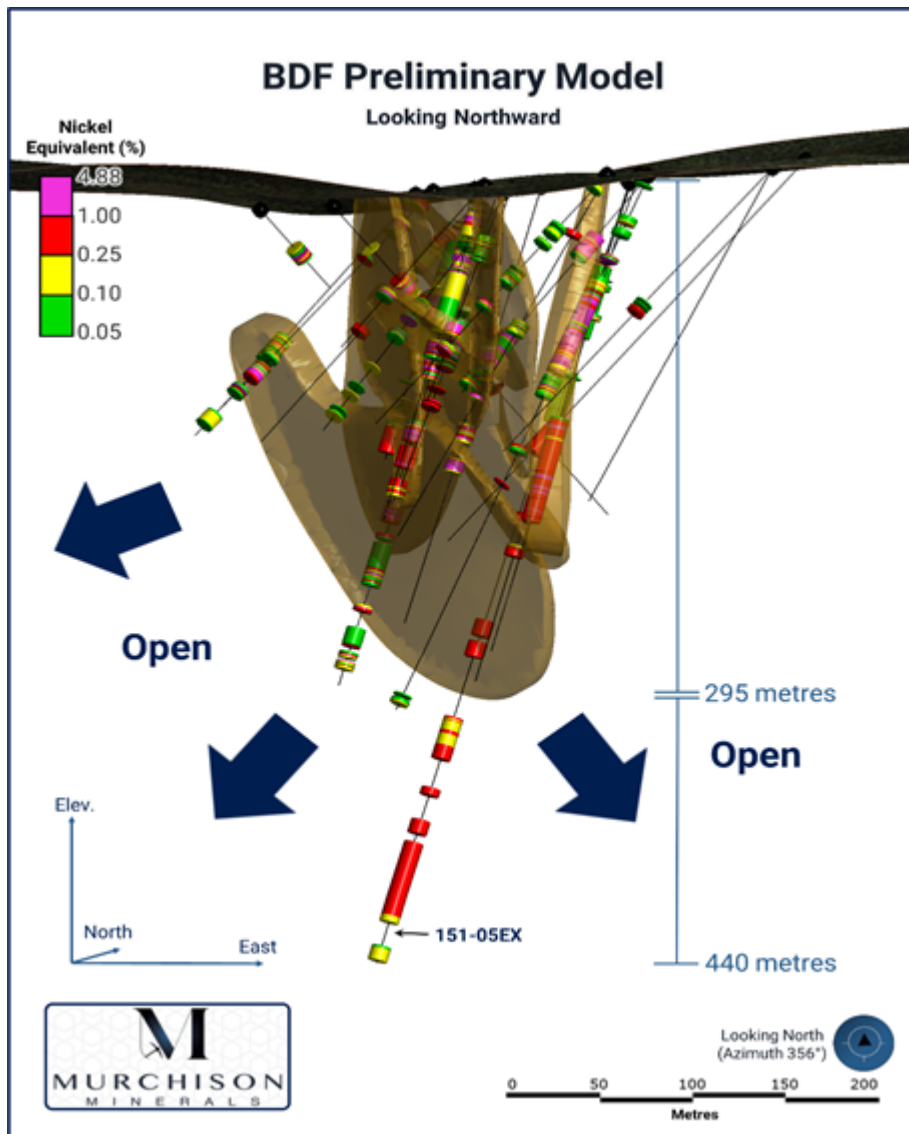


Figure 2: Barre de Fer Zone Preliminary Nickel Mineralization Model, isometric view looking Northward

BDF Zone and Hole Highlights

- The BDF Zone (the “Zone”) is currently defined by 25 diamond drill holes with 5,564 metres of drilling completed between 2001 and 2008
- Based on the modelling, the Zone outcrops on surface, 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 this summer's planned 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.
- The fully compiled drill results for the Barre de Fer Zone are provided by Murchison in (**Table 2**).
- Hole HPM-08-03 drilled to a depth of 345 m intersected five zones of Ni-bearing sulphide mineralization totalling **60.07 m** of composite mineralization (Table 1 & 2), including:
 - **52.15 m** grading **2.04% NiEq** (74.45 m to 126.60 m) including **12.04 m** at **3.00% NiEq** (100.71 m to 112.75 m) and **10.56 m** at **2.92% NiEq** (85.16 m to 95.72 m)
- Hole HPM-08-04 drilled to a depth of 171 m intersected five zones of Ni-bearing sulphide mineralization totalling **35.5 m** of composite mineralization (Table 1 & 2), including:
 - **15.95 m** grading **2.12% NiEq** (47.73 m to 63.68 m) including **7.13 m** at **2.92% NiEq** (55.66 m to 62.79 m)
- Hole 2002 drilled to a depth of 186 m intersected five zones of Ni-bearing sulphide mineralization totalling **63.85 m** of composite mineralization (Table 1 & 2), including:

- **10.60 m** grading **1.90%** NiEq (139.6 m to 150.20 m)
- **18.1 m** grading **1.23%** NiEq (from 35.15 m to 53.25 m) including **3.03%** NiEq over **4.15 m** (39.45 m to 43.60 m)
- Hole 151-02 drilled to a depth of 164 m intersected six zones of Ni-bearing sulphide mineralization totalling **21.70 m** of composite mineralization (Table 1 & 2), including:
 - **16.45 m** grading **1.60%** NiEq (65.55 m to 82.00 m) including **2.60%** NiEq over **3.95 m** (65.55 m to 69.50 m)
- Hole 151-04 drilled to a depth of 287 m intersected three zones of Ni-bearing sulphide mineralization totalling **61.00 m** of composite mineralization (Table 1 & 2), including:
 - **60.40 m** grading **0.61%** NiEq (148.60 m to 209.00 m)
- Assay results for all highlighted holes can be found in Tables 1 and 2 below. Assays for all holes can be found in Table 2.

Table 1: Highlight Holes Assay Results*

Hole		From (m)	To (m)	Length* (m)	Ni %	Cu %	Co %	Ni Eq. %**
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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	126.6	52.15	1.52	0.79	0.08	2.04
	<i>includes</i>	79.82	82.94	3.12	2.24	1.31	0.11	3.05
	<i>includes</i>	82.43	82.94	0.51	2.3	4.81	0.12	4.44
	<i>includes</i>	85.16	95.72	10.56	2.15	1.17	0.11	2.92
	<i>includes</i>	100.71	112.75	12.04	2.35	0.88	0.11	3
	<i>includes</i>	118.14	123	4.86	2.17	1.04	0.12	2.92
		136.07	139.42	3.35	0.33	0.14	0.02	0.44
		174.75	176.4	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
	<i>includes</i>	55.66	62.79	7.13	2.31	0.76	0.11	2.92
		125.4	130.5	5.1	1.23	0.47	0.06	1.59
		136.75	139.4	2.65	2.08	1.24	0.11	2.85
		144.17	154.92	10.75	1.05	0.63	0.06	1.44
	<i>includes</i>	144.17	148.22	4.05	2.31	1.35	0.11	3.15
		162.95	164	1.05	0.12	0.54	0.01	0.36
2002		24.2	24.6	0.4	0.94	0.52	0.07	1.33
		35.15	53.25	18.1	0.93	0.28	0.07	1.23
	<i>includes</i>	39.45	43.6	4.15	2.34	0.54	0.17	3.03
		98.9	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
	<i>includes</i>	143.15	149.05	5.9	2.06	1.15	0.15	2.92
	<i>includes</i>	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

151-02		20.9	21.1	0.2	1.14	0.5	0.07	1.55
		23.7	24.55	0.85	0.59	0.26	0.04	0.8
		52	53.45	1.45	0.76	0.13	0.06	0.98
		65.55	82	16.45	1.16	0.49	0.09	1.6
	<i>includes</i>	65.55	69.5	3.95	1.88	0.87	0.14	2.6
		137.7	138	0.3	0.34	3.8	0.03	1.85
		143.95	146.4	2.45	0.36	0.14	0.03	0.49
151-04		68.25	68.35	0.1	0.38	0.08	0.03	0.51
		86.2	86.7	0.5	1.92	0.54	0.14	2.54
		148.6	209	60.4	0.44	0.21	0.03	0.61
	<i>includes</i>	181.6	192.6	11	0.72	0.2	0.04	0.9

** 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.*

**Assays predate Murchison Minerals Ltd.; and were not subject to Murchison's QA/QC Procedures. Assays are as reported by Falconbridge, Rockwell Ventures Inc, and Manicouagan Minerals.*

Murchison Minerals President and CEO Troy Boisjoli comments:

"The compilation and modelling by Murchison's technical team of previous exploration completed at the HPM project further demonstrates the mining-camp scale potential of the HPM project. 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."

Dr. Peter C. Lightfoot comments:

"The style of mineralization at Barre de Fer comprises both disseminated interstitial and net-texture sulfide as well as massive sulfide stringers and breccia sulfides. The consistent concentrations of Ni recalculated into 100% sulfide (~3%Ni in 100% sulfide) together with the complex textural relationships between the sulfides and the country rocks are all very encouraging features found in other magmatic sulfide mineral systems that are currently in production. These relationships together with the conductive signal of the higher grade mineralization provides a robust foundation on which exploration strategies can be based."

BDF Compilation and Modelling

The Company recently completed a comprehensive data compilation, verification and modelling program, comprising all drill hole data from the Barre de Fer Zone. The modelling program consisted of developing a preliminary 3D interpretation of nickel mineralization at BDF (Figure 1 and 2). Based on the modelling, the Zone outcrops on surface, extends to a vertical depth of 295 m, has a strike length of 315 m, and is composed of multiple stacked lenses over a maximum Zone footprint width of 150 m. Individual lenses have a maximum thickness of 28 m. **However, extensive mineralization has been intersected to a vertical depth of 440 m, and the Zone remains undrilled and unconstrained along strike and at depth.** No resource estimates have been completed on the Zone to date.

Hole 151-05 is the deepest hole in the Zone, originally drilled to a depth of 180 m, then extended to 473 m in 2002 (151-05EX). The final 293 meters of the hole intersected 93.45 m of nickel mineralization; there are currently no adjacent holes to this zone of mineralization, indicating significant potential within the Zone below 295 m (Figure 1 and 2).

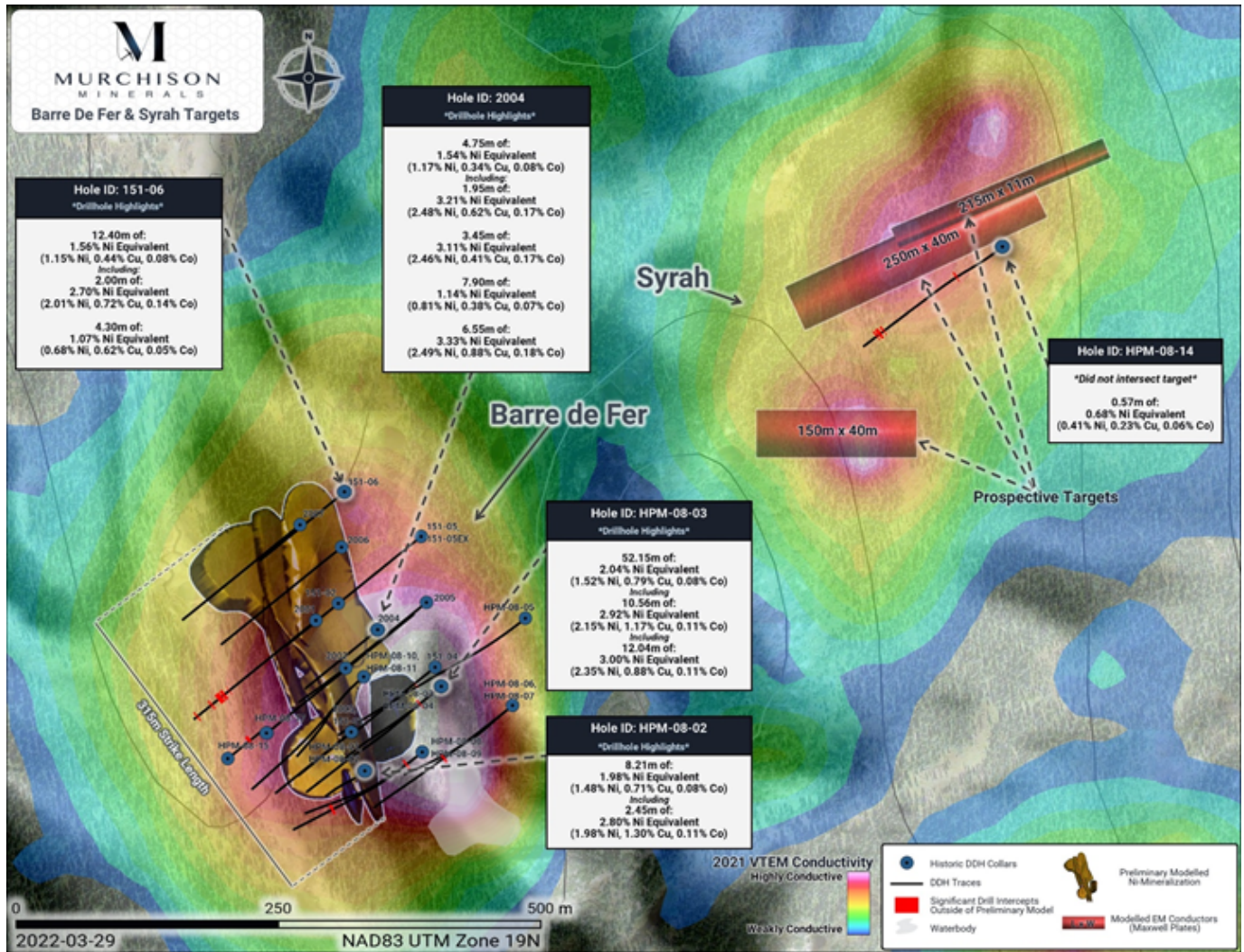


Figure 3: Location map of Barre de Fer Zone and Syrah Target Area superimposed on conductivity response from the 2021 VTEM survey

BDF Mineralization and History

The nickel-copper-cobalt mineralization at the BDF Zone consists of steeply dipping disseminations, stringers, net textured breccias and massive intervals of sulphide (pyrrhotite, chalcopyrite and pentlandite) hosted within a complex assemblage of norite, gabbronorite and peridotite. The Zone has been highly metamorphosed, and the sulphide mineralization is inferred to have been remobilized, indicating significant bodies of

mineralization may yet be discovered.

The BDF Zone was first discovered in 1999 by Falconbridge through reconnaissance prospecting. It was first drill tested in 2001 with five diamond drill holes totalling 1,132 metres, intersecting significant high-grade Ni-Cu-Co bearing sulphide mineralization in four of the five holes. In 2002, the property was optioned to Rockwell Ventures Inc. who then completed seven holes, plus the extension of drill hole 151-05 (151-05EX) totalling 1,771 m of drilling. All seven holes, plus the extension hole 151-05EX intersected Ni-Cu-Co bearing sulphide mineralization.

In 2006, Pure Nickel Inc. purchased 100% of the property from Xstrata Nickel (formerly Falconbridge). In 2007 Manicouagan Minerals Inc. (Murchison Minerals Ltd.'s predecessor company) entered into an option agreement to earn up to 50% of the property from Pure Nickel Inc. In 2008, Manicouagan Minerals Inc. completed 13 holes totalling 2,661 metres of drilling at BDF, of which 11 holes intersected significant zones of Ni-Cu-Co bearing sulphide mineralization. Since the completion of the 2008 diamond drill program at the Barre de Fer Zone – which coincided with the beginning of a global recession – no further drilling has been completed. In 2019, Murchison Minerals Ltd. acquired 100% of the HPM project by purchasing the remaining 50% from Pure Nickel Inc.

Subject to the purchase agreement between Pure Nickel Inc. and Xstrata Nickel, Glencore retains certain rights with respect to the original mining claims area (Figure 4) including (i) a 2% NSR on each property (the Company has the right to re-acquire 1% thereof for CAD\$1,000,000); (ii) off-take and marketing rights for all concentrate or product produced from the properties; and (iii) a one-time back-in right to 50% for any mining project with an economic threshold of 15,000,000 tonnes of resources by

a) funding a feasibility study up to C\$20,000,000, and b) making payment equal to two times the aggregate exploration expenditures to date.

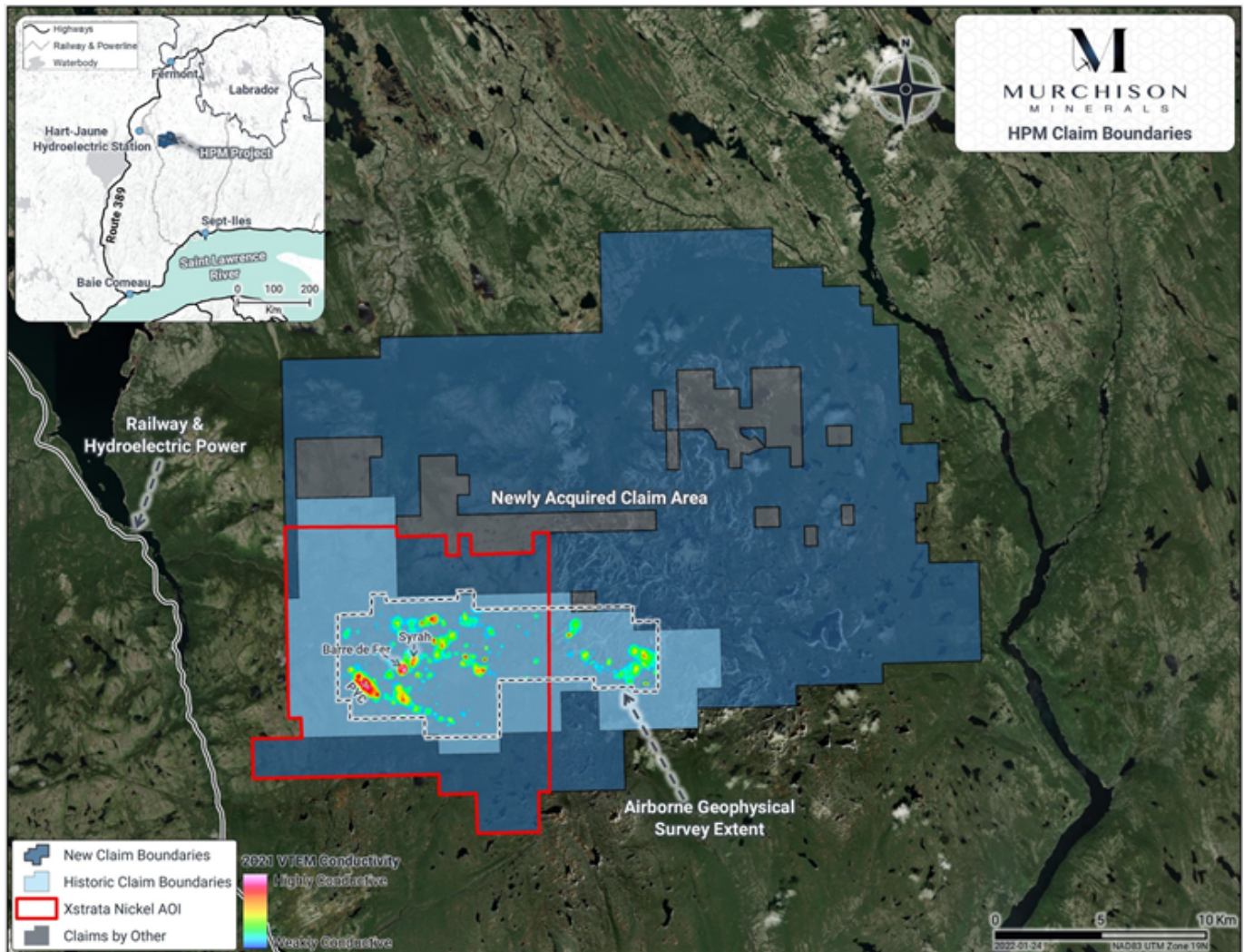


Figure 4: HPM Claim Area Map

BDF 2022 Delineation and Expansion

The Company is advancing a strategy to expand and delineate the Zone and surrounding prospective areas during this summer's planned drill program:

- Drilling at Barre de Fer will focus on expansion and delineation of mineralization.
- Exploration drilling will focus on the highly prospective Syrah target, which is located approximately 300 metres

from BDF (Figure 3) and is situated above a 600-metre-long conductive area similar in response to BDF.

2022 Regional Exploration

- The Company continues to await assay results from the 2021 fall drill program from the PYC Target due to lab delays.
- An expanded VTEM survey – which covers the remaining 85% of the 576 km² HPM property – scheduled to be completed this spring.
- The summer prospecting program will focus on the high-priority targets identified by the VTEM coverage over 100% of the HPM property.

Table 2 Barre de Fer Drill Hole Assay Results*

Hole		From (m)	To (m)	Length* (m)	Ni %	Cu %	Co %	NiEq%**
HPM-08-01		32.80	39.92	7.12	0.19	0.07	0.02	0.26
		78.60	85.00	6.40	2.02	0.87	0.11	2.66
	<i>includes</i>	78.60	84.07	5.47	2.34	0.97	0.12	3.06
HPM-08-02		87.79	96.00	8.21	1.48	0.71	0.08	1.98
	<i>includes</i>	90.46	92.91	2.45	1.98	1.30	0.11	2.80
		99.38	100.09	0.71	2.02	0.83	0.10	2.62
		105.66	106.08	0.42	0.02	2.46	0.00	0.95

HPM-08-03		52.54	54.96	2.42	0.47	0.19	0.03	0.61
		70.86	71.36	0.50	0.37	0.29	0.02	0.54
		74.45	126.60	52.15	1.52	0.79	0.08	2.04
	<i>includes</i>	79.82	82.94	3.12	2.24	1.31	0.11	3.05
	<i>includes</i>	82.43	82.94	0.51	2.30	4.81	0.12	4.44
	<i>includes</i>	85.16	95.72	10.56	2.15	1.17	0.11	2.92
	<i>includes</i>	100.71	112.75	12.04	2.35	0.88	0.11	3.00
	<i>includes</i>	118.14	123.00	4.86	2.17	1.04	0.12	2.92
		136.07	139.42	3.35	0.33	0.14	0.02	0.44
		174.75	176.40	1.65	0.33	0.20	0.02	0.45
HPM-08-04		47.73	63.68	15.95	1.64	0.63	0.08	2.12
	<i>includes</i>	55.66	62.79	7.13	2.31	0.76	0.11	2.92
		125.40	130.50	5.10	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
	<i>includes</i>	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
HPM-08-05		209.80	229.45	19.65	0.45	0.17	0.02	0.58
	<i>includes</i>	209.80	212.33	2.53	0.98	0.23	0.05	1.21
		254.55	255.20	0.65	0.29	0.06	0.02	0.36
HPM-08-06		115.11	117.90	2.79	0.18	0.13	0.01	0.26
HPM-08-07	*No Significant Intercepts*							
HPM-08-08		81.32	81.45	0.13	2.23	0.03	0.13	2.61
		85.13	87.34	2.21	0.38	0.08	0.03	0.49
		104.47	107.44	2.97	0.81	0.12	0.05	0.99
		140.25	142.80	2.55	0.76	0.30	0.04	1.00
	<i>includes</i>	142.12	142.61	0.49	2.10	0.51	0.10	2.59

HPM-08-09		37.97	40.85	2.88	0.24	0.10	0.02	0.33
		147.46	149.40	1.94	2.07	0.84	0.11	2.70
	<i>includes</i>	147.75	149.40	1.65	2.39	0.88	0.13	3.08
HPM-08-10		34.90	35.60	0.70	1.64	0.12	0.09	1.94
		42.60	43.20	0.60	0.75	0.48	0.05	1.07
		48.00	48.60	0.60	0.24	0.07	0.02	0.32
		95.75	96.25	0.50	0.35	0.44	0.02	0.58
		100.60	101.10	0.50	0.60	0.06	0.03	0.72
		109.74	110.31	0.57	1.13	0.27	0.06	1.41
		121.39	123.46	2.07	0.63	0.08	0.03	0.76
HPM-08-11		44.85	45.35	0.50	0.14	0.89	0.01	0.50
		47.47	48.78	1.31	2.28	0.81	0.11	2.91
		80.78	81.68	0.90	2.10	1.37	0.11	2.92
		88.80	89.46	0.66	1.14	0.33	0.06	1.45
		97.28	118.70	21.42	0.59	0.29	0.03	0.78
		131.90	132.40	0.50	0.38	0.07	0.02	0.47
		140.20	141.50	1.30	0.72	0.19	0.04	0.92
		142.50	144.20	1.70	0.33	0.24	0.02	0.48
HPM-08-15		35.30	39.20	3.90	0.54	0.15	0.03	0.70
	<i>includes</i>	37.60	38.10	0.50	1.65	0.12	0.10	1.97

HPM-08-17		58.75	68.60	9.85	1.10	0.52	0.06	1.46
	<i>includes</i>	64.30	67.75	3.45	2.35	1.03	0.12	3.07
		77.30	78.00	0.70	0.15	1.68	0.01	0.81
		86.50	87.00	0.50	0.74	0.07	0.04	0.88
		93.60	94.10	0.50	0.38	0.07	0.02	0.47
		127.85	128.80	0.95	0.81	0.38	0.05	1.10
		132.25	134.20	1.95	2.69	2.61	0.12	4.01
		149.15	149.65	0.50	0.51	0.21	0.04	0.69
2001		10.00	13.10	3.10	0.68	0.14	0.05	0.89
		27.40	28.30	0.90	1.12	0.42	0.08	1.52
		55.80	58.90	3.10	0.38	0.32	0.03	0.59
		140.50	140.80	0.30	1.02	0.23	0.08	1.33
		147.50	158.50	11.00	0.62	0.25	0.05	0.86
		167.60	170.30	2.70	0.39	0.13	0.03	0.52
		191.50	193.00	1.50	0.19	0.07	0.01	0.25
2002		24.20	24.60	0.40	0.94	0.52	0.07	1.33
		35.15	53.25	18.10	0.93	0.28	0.07	1.23
	<i>includes</i>	39.45	43.60	4.15	2.34	0.54	0.17	3.03
		98.90	112.15	13.25	0.57	0.42	0.05	0.86
		139.60	150.20	10.60	1.29	0.90	0.09	1.90
	<i>includes</i>	143.15	149.05	5.90	2.06	1.15	0.15	2.92
	<i>includes</i>	146.70	149.05	2.35	2.76	2.19	0.20	4.15
		153.10	165.70	12.60	0.35	0.16	0.03	0.49
		172.55	181.45	8.90	0.25	0.10	0.02	0.35
2003		7.80	8.35	0.55	2.19	0.18	0.16	2.71
		86.60	88.60	2.00	2.46	0.66	0.17	3.22

2004		86.00	90.75	4.75	1.17	0.34	0.08	1.54
	<i>includes</i>	86.00	87.95	1.95	2.48	0.62	0.17	3.21
		102.20	105.35	3.15	0.17	0.12	0.02	0.28
		110.65	114.10	3.45	2.46	0.41	0.17	3.11
		144.80	152.70	7.90	0.81	0.38	0.07	1.14
		164.90	171.45	6.55	2.49	0.88	0.18	3.33
2005		200.70	205.75	5.05	0.60	0.27	0.04	0.82
		221.55	226.40	4.85	0.27	0.12	0.02	0.37
2006		31.15	52.10	20.95	0.45	0.24	0.03	0.64
	<i>includes</i>	31.15	37.90	6.75	0.77	0.36	0.06	1.06
		60.95	62.50	1.55	0.85	0.17	0.06	1.09
		70.20	72.60	2.40	1.02	0.20	0.07	1.30
		89.65	96.60	6.95	0.19	0.09	0.02	0.28
		111.30	115.60	4.30	0.37	0.19	0.02	0.51
2007		9.10	9.35	0.25	0.39	0.19	0.02	0.50
		123.10	125.80	2.70	0.41	0.23	0.03	0.57
		131.80	134.60	2.80	0.23	0.12	0.01	0.32
151-01		19.00	24.80	5.80	1.12	0.27	0.08	1.46
	<i>includes</i>	19.00	22.30	3.30	1.54	0.30	0.11	1.99
		28.75	28.90	0.15	1.58	0.11	0.12	1.98
		94.60	102.50	7.90	1.20	0.44	0.09	1.64
	<i>includes</i>	95.40	97.90	2.50	2.63	1.14	0.20	3.64

151-02		20.90	21.10	0.20	1.14	0.50	0.07	1.55
		23.70	24.55	0.85	0.59	0.26	0.04	0.80
		52.00	53.45	1.45	0.76	0.13	0.06	0.98
		65.55	82.00	16.45	1.16	0.49	0.09	1.60
	<i>includes</i>	65.55	69.50	3.95	1.88	0.87	0.14	2.60
		137.70	138.00	0.30	0.34	3.80	0.03	1.85
		143.95	146.40	2.45	0.36	0.14	0.03	0.49
151-04		68.25	68.35	0.10	0.38	0.08	0.03	0.51
		86.20	86.70	0.50	1.92	0.54	0.14	2.54
		148.60	209.00	60.40	0.44	0.21	0.03	0.61
	<i>includes</i>	181.60	192.60	11.00	0.72	0.20	0.04	0.90
151-05		48.50	48.80	0.30	0.26	0.10	0.02	0.35
		51.00	51.40	0.40	0.40	0.09	0.03	0.53
151-05EX		265.65	275.00	9.35	0.26	0.11	0.02	0.37
		278.55	287.65	9.10	0.25	0.10	0.02	0.35
		324.80	335.20	10.40	0.20	0.08	0.01	0.27
		341.75	349.80	8.05	0.20	0.08	0.02	0.29
		367.50	371.75	4.25	0.30	0.13	0.03	0.42
		386.90	394.90	8.00	0.22	0.09	0.02	0.33
		400.40	444.70	44.30	0.34	0.15	0.03	0.49

151-06		72.30	78.00	5.70	0.22	0.11	0.02	0.32
		86.40	86.60	0.20	1.17	0.18	0.08	1.48
		132.65	142.00	9.35	0.45	0.16	0.04	0.62
	<i>includes</i>	<i>135.30</i>	<i>135.90</i>	<i>0.60</i>	<i>2.25</i>	<i>0.36</i>	<i>0.15</i>	<i>2.84</i>
		159.50	160.20	0.70	0.40	0.23	0.03	0.58
		189.70	202.10	12.40	1.15	0.44	0.08	1.56
	<i>includes</i>	<i>198.10</i>	<i>200.10</i>	<i>2.00</i>	<i>2.01</i>	<i>0.72</i>	<i>0.14</i>	<i>2.70</i>
		209.50	211.80	2.30	0.62	0.59	0.05	0.99
		230.10	234.40	4.30	0.68	0.62	0.05	1.07
		237.60	238.70	1.10	0.30	0.21	0.03	0.46
		253.90	255.70	1.80	0.74	0.29	0.06	1.02
		276.80	277.20	0.40	0.34	0.21	0.04	0.52
		282.00	283.20	1.20	0.78	1.07	0.07	1.39
		286.50	289.70	3.20	0.35	0.24	0.04	0.55

** 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.*

**Assays predate Murchison Minerals Ltd.; and were not subject to Murchison's QA/QC Procedures. Assays are as reported by Falconbridge, Rockwell Ventures Inc, and Manicouagan Minerals.*

Table 3 BDF Drill Hole Collar Information

Hole	Easting UTM*	Northing UTM*	Elevation (m)	Azimuth (°)	Dip (°)	Length (m)
HPM-08-01	614906	5722686	884.4	231	-71	126
HPM-08-02	614906	5722686	884.4	231	-85	111
HPM-08-03	614978	5722766	892.6	231	-60	345

HPM-08-04	614978	5722766	892.6	231	-45	171
HPM-08-05	615057	5722830	900	231	-46	300
HPM-08-06	615045	5722748	897.7	231	-46	229.8
HPM-08-07	615045	5722748	897.7	231	-58	225
HPM-08-08	614960	5722704	894.6	231	-44	201
HPM-08-09	614960	5722704	894.6	231	-62	240
HPM-08-10	614905	5722775	885.1	231	-44	201
HPM-08-11	614905	5722775	885.1	231	-60	195
HPM-08-15	614777	5722698	874.4	51	-45	64
HPM-08-17	614814	5722722	875.9	51	-45	252
2001	614860	5722828	882	231	-45	198
2002	614888	5722783	884.5	234	-74	186
2003	614893	5722723	887.3	231	-45	129
2004	614918	5722819	884.9	231	-69	263
2005	614964	5722845	887.6	231	-70	302
2006	614884	5722897	880.6	231	-45	203
2007	614845	5722918	878	231	-45	197
151-01	614894	5722723	887.8	231	-70	200
151-02	614881	5722844	883	231	-70	164
151-04	614972	5722784	892.6	231	-70	287
151-05, 151-05EX	614959	5722907	885.5	231	-70	473
151-06	614887	5722949	880.6	231	-70	301

**UTM Projected Coordinate System: NAD83 UTM Zone 19N.*

About the HPM Project

The HPM Project (the “Project”) is located east of the Manicouagan structure, the site of a major 215 Ma impact event.

The extensive reservoir at Manicouagan supports five hydro-power plants. The existing Quebec Cartier rail line, located eight kilometres west of the PYC project area, links Labrador City to Port Cartier and Sept Iles, two major iron ore port facilities.



Figure 5: HPM Location Map

The Project is located within the Haut-Plateau de la Manicouagan area. The claims host prospective gabbroic, ultramafic and anorthositic rock bodies within the Manicouagan metamorphic complex and are associated with significant nickel-copper-cobalt sulphide mineralization first identified by Falconbridge in 1999 and discovered extensive nickel-bearing sulphide mineralization at Barre de Fer during drilling in 2001 – 2002. Pure Nickel and

Murchison Minerals Ltd.'s predecessor – Manicouagan Minerals – continued drilling in the area until 2008. The majority of the past drilling at the HPM Project targeted the Barre de Fer geophysical conductor and confirmed the presence of nickel-copper-cobalt sulphide mineralization over approximately 315 metres strike length to a depth of 295 metres. The mineralization remains open at depth and along strike.

After Murchison Minerals Ltd. acquired 100% ownership of the property in 2019, the Company has focused exploration work on the camp-scale potential of the region. Aerial EM surveys completed in the spring of 2021 identified more than 50 anomalous conductors. Prospecting crews were able to traverse five of the more than 50 anomalies and discovered new outcrops of nickel-bearing sulphide mineralization in the process. The prospecting program was followed by an inaugural drill program at the PYC target area – an EM anomaly with a 1.95 km strike length. Subsequent to the completion of the drill program at PYC, the Company increased its dominant land position in the Haut-Plateau region from 139 km² to 576 km².

Qualifying Statement

The foregoing scientific and technical disclosures on the HPM Project have been reviewed by John Shmyr, P.Geo., VP Exploration, a registered member of the Professional Engineers and Geoscientists of Saskatchewan and current holder of a special authorization with the Ordre des Géologues du Québec. Mr. Shmyr is a Qualified Person as defined by National Instrument 43-101.

About Murchison Minerals Ltd. (TSXV: MUR OTCQB: MURMF)

Murchison is a Canadian-based exploration company focused on nickel-copper-cobalt exploration at the 100% – owned HPM Project

in Quebec and the exploration and development of the 100% – owned Brabant Lake zinc-copper-silver project in north-central Saskatchewan. The Company also holds an option to earn 100% interest in the Barraute VMS exploration project also located in Quebec, north of Val d'Or. Murchison currently has 160.6 million shares issued and outstanding.

Additional information about Murchison and its exploration projects can be found on the Company's website at www.murchisonminerals.ca . For further information, please contact:

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Forward-Looking Information

Certain information set forth in this news release may contain forward-looking information that involves substantial known and unknown risks and uncertainties. This forward-looking information is subject to numerous risks and uncertainties, certain of which are beyond the control of the Company, including, but not limited to, the impact of general economic conditions, industry conditions, and dependence upon regulatory approvals.

FLI herein includes, but is not limited to: future drill results; stakeholder engagement and relationships; parameters and methods used with respect to the assay results; the

prospects, if any, of the deposits; future prospects at the deposits; and the significance of exploration activities and results. FLI is designed to help you understand management's current views of its near- and longer-term prospects, and it may not be appropriate for other purposes. FLI by their nature are based on assumptions and involve 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 such FLI. Although the FLI contained in this press release is based upon what management believes, or believed at the time, to be reasonable assumptions, the Company cannot assure shareholders and prospective purchasers of securities of the Company that actual results will be consistent with such FLI, as there may be other factors that cause results not to be as anticipated, estimated or intended, and neither the Company nor any other person assumes responsibility for the accuracy and completeness of any such FLI. Except as required by law, the Company does not undertake, and assumes no obligation, to update or revise any such FLI contained herein to reflect new events or circumstances, except as may be required by law. Unless otherwise noted, this press release has been prepared based on information available as of the date of this press release. Accordingly, you should not place undue reliance on the FLI or information contained herein. Furthermore, should one or more of the risks, uncertainties or other factors materialize, or should underlying assumptions prove incorrect, actual results may vary materially from those described in FLI. Assumptions upon which FLI is based, without limitation, include: the ability of exploration activities to accurately predict mineralization; the accuracy of geological modelling; the ability of the Company to complete further exploration activities; the legitimacy of title and property interests in the deposits; the accuracy of key assumptions,

parameters or methods used to obtain the assay results; the ability of the Company to obtain required approvals; the results of exploration activities; the evolution of the global economic climate; metal prices; environmental expectations; community and nongovernmental actions; and any impacts of COVID-19 on the deposits, the Company's financial position, the Company's ability to secure required funding, or operations. Risks and uncertainties about the Company's business are more fully discussed in the disclosure materials filed with the securities regulatory authorities in Canada, which are available at www.sedar.com.

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SOURCE: Murchison Minerals Ltd.