

## MURCHISON INITIATES DRILLING ON 12 HIGH PRIORITY TARGETS AT BRABANT LAKE, SASKATCHEWAN

**January 13, 2020 (Toronto, Ontario):** Murchison Minerals Ltd. (“Murchison” or the “Company”) (TSXV: MUR) is pleased to announce it is initiating a diamond drilling program on its 430 km<sup>2</sup> Brabant-McKenzie project land package where previous airborne geophysical surveys identified numerous strong electromagnetic (“EM”) conductors. Thirty of these EM conductors were ground prospected in 2019 with 12 conductors selected as high priority targets to be drilled with 14 drill holes starting in late January 2020.

In addition, the Company identified an additional 20 EM conductors on the claims recently staked by the Company following the evaluation of historic airborne geophysical survey data. These conductors will be subject to further ground prospecting in the summer of 2020.

Murchison’s land holdings already host the Brabant-McKenzie VMS deposit with a NI 43-101 resources of:

- Indicated - 2.1 million tonnes at 7.08% zinc, 0.69% copper, 0.49% lead, 39.60 g/t silver
- Inferred - 7.6 million tonnes at 4.45% zinc, 0.57% copper, 0.19% lead, 18.40 g/t silver

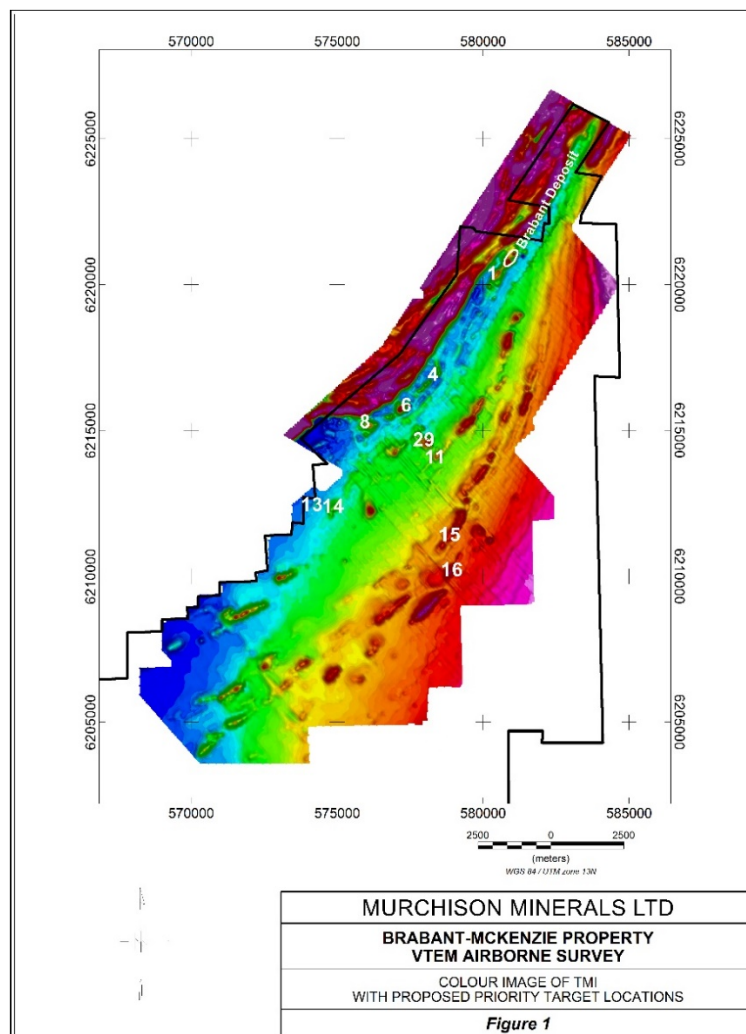
The Brabant-McKenzie VMS deposit geophysical characteristics consist of moderate to strong magnetic high with a coincident moderately strong conductor. A report titled “MURCHISON MINERALS LTD BRABANT-MCKENZIE PROJECT PROPOSED PRIORITY DRILL TARGETS” has been posted on Murchison’s website ([www.murchisonminerals.com](http://www.murchisonminerals.com)) highlighting the geophysical characteristics of 10 priority drill targets (see Table 1) that have geophysical and geological similarities to the Brabant-McKenzie VMS deposit.

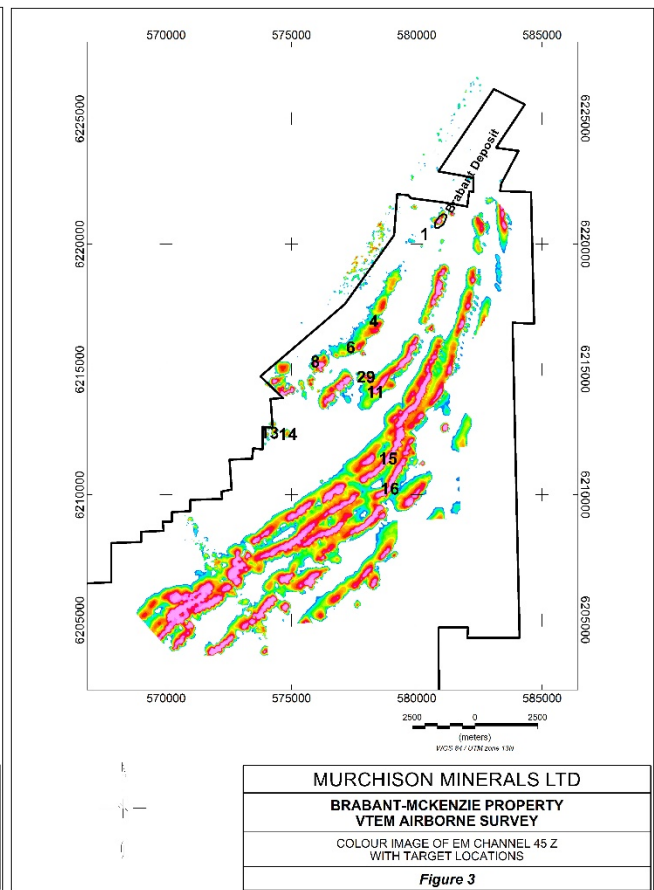
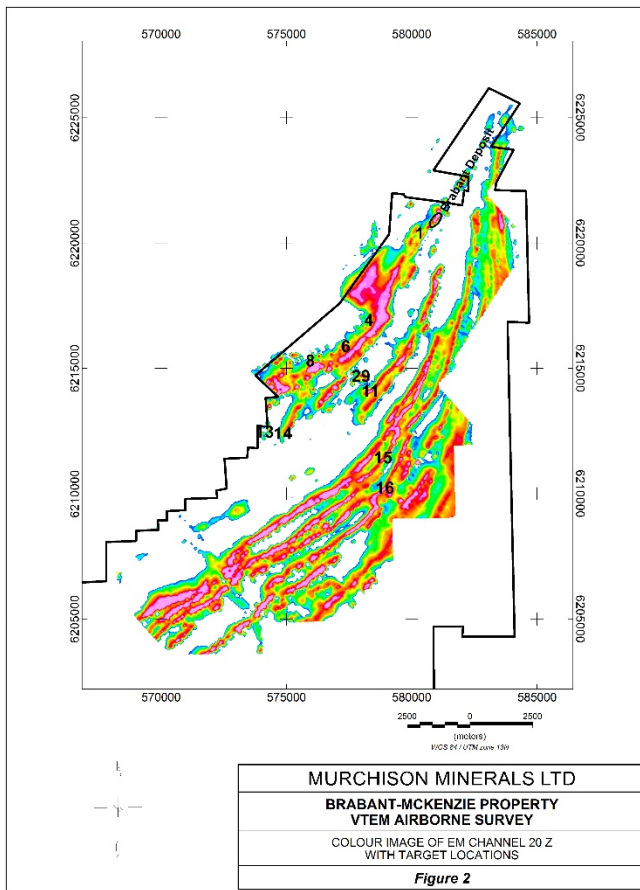
Targets 1, 13, 14, 8, 6 and 4 are interpreted to be located within the same geological horizon as the Brabant-McKenzie VMS deposit. Target 1 is located immediately south of the Brabant-McKenzie VMS deposit. A recent backpack drill hole intersected strong zinc mineralisation at shallow depth (see September 30<sup>th</sup>, 2019 press release). The remaining targets are located east of the interpreted deposit horizon.

Figure 1 below presents the targets with the VTEM TMI (Total Magnetic Intensity). Figure 2 presents the targets with the VTEM early time EM channel 20 Z component. Figure 3 presents the targets with the VTEM late time EM channel 45 Z component. The Brabant-McKenzie deposit is shown in the northern portion of the figures with coincident magnetic and EM anomalies. EM channels 20 and 45 are presented to show that lower conductivity features tend to disappear in the late time channel.

**Table 1. Proposed Priority Drill Targets.**

Number	Name	Ranking	DDH-X	DDH-Y	DDH-Z	DDH-Az	DDH-Dip	DDH-Length m
1	Brabant-McKenzie South	10	580329	6220408	382	115	50	350
14	Main	10	574757	6212448	412	100	60	250
8	Tom2-A	9	575960	6215320	407	105	60	300
6	T2T-A	8	577369	6215890	379	110	60	400
16	Mclvor 2	8	578932	6210248	366	135	50	100
4	Min Showing T2T-B	7	578136	6216657	372	90	90	25
4	Min Showing T2T-LP4	7	578514	6217605	363	110	60	400
11	Pete's Point South	7	578353	6214112	369	115	50	100
29	Bra3-A&B	7	577978	6214709	390	125	50	300
29	Bra3-A	7	578130	6214606	377	140	50	100
29	Bra3-B	7	577978	6214709	390	125	50	100
13	Main West	7	574289	6212541	410	140	50	175
15	Mclvor Channel T15_L1920-1940B	7	579278	6211980	380	80	70	75
15	Mclvor Channel T15_L1990-2000	7	578853	6211457	366	120	55	150





### Qualifying Statement

The foregoing scientific and technical disclosures have been reviewed by Ehsan Salmabadi, P. Geo., John Shmyr, P. Geo and Martin St-Pierre, P. Geoph., qualified persons as defined by National Instrument 43-101. Mr. Salmabadi, Mr. Shmyr and Mr. St-Pierre are independent consultants to Murchison and the Brabant Lake project.

### About the Brabant Lake Project

The Brabant Lake project is located 175 kilometres northeast of La Ronge, Saskatchewan and approximately three kilometres from the community of Brabant Lake. The area is accessed year-round via provincial Highway 102 and is serviced by grid power. The project consists of one mining lease which hosts the Brabant-McKenzie VMS deposit, and additional mineral claims totalling 430 km<sup>2</sup> and extending over 57 kilometres of strike length over favourable geological horizons, multiple known mineralized showings, and identified geophysical conductors.

**About Murchison Minerals Ltd. (TSXV: MUR)**

Murchison is a Canadian-based exploration company focused on the exploration and development of the 100% owned Brabant Lake zinc-copper-silver project in north-central Saskatchewan. The Company also has a 100% interest in the HPM nickel-copper-cobalt project in Quebec. Murchison currently has 64.7 million shares issued and outstanding.

Additional information about Murchison and its exploration projects can be found on the Company's website at [www.murchisonminerals.com](http://www.murchisonminerals.com). For further information, please contact:

Jean-Charles (JC) Potvin, President and CEO

[jcpotvin@murchisonminerals.com](mailto:jcpotvin@murchisonminerals.com)

Erik H Martin, CFO

Tel: (416) 350-3776

[info@murchisonminerals.com](mailto:info@murchisonminerals.com)

**Forward-Looking Information**

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