Metallica Metals Commences Surface Exploration Program at Sammy Ridgeline Ni-Cu-PGM Project

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Vancouver, August 9, 2022 - Metallica Metals Corp. (CSE: MM) (OTCQB: MTALF) (FSE: SY7P) (the "Company" or "Metallica Metals") is pleased to announce that field mapping and prospecting work has commenced on the Ni-Cu-PGM Sammy Ridgeline Project ("Sammy Ridgeline" or the "Project") in the Thunder Bay North District of Ontario, Canada. Sammy Ridgeline is located approximately 50 km northeast of Thunder Bay, with the two claim blocks lying on either side of Clean Air Metal's Thunder Bay North Project (Figure 1). The exploration program is scheduled to run until the end of the summer field season and will consist of geological and structural mapping, grab and channel sampling, and possible trenching. The Project has numerous showings and mineral occurrences comprised of molybdenum, copper, zinc, lead, silver, tin, tungsten and uranium, but was never previously explored for platinum and palladium (PGM's). The field program will largely focus on confirming PGM geophysical exploration targets that were developed from a detailed study using data from the 2021 MobileMT airborne survey (refer to the Company's news release dated May 16, 2022).

Exploration Program Summary:

- Completing prospecting and geological mapping across the entirety of the two Sammy Ridgeline claim blocks and sampling any mineral occurrences (Figure 2). An exploration permit has been submitted to the Ontario Ministry of Northern Development, Mines, Natural Resources and Forestry (NDMNRF) to complete trenching work and is pending approval.
- The field program will focus on eleven Ni-Cu-PGM targets generated across the combined East and West blocks (see Figures 3 and 4). Of particular interest are targets displaying remanent magnetism, which can be a feature of PGM deposits, that also have important structures in close proximity.
- Revisiting existing showings and mineral occurrences to evaluate their potential for further exploration and drilling targets.
- Any geophysical targets buried under thick overburden cover may be trenched to expose the bedrock to map the geology and collect grab and channel samples.

Aaron Stone, CEO of Metallica Metals commented, "The Metallica Metals team is excited to have commenced the Company's inaugural surface exploration program on its Sammy Ridgeline Project. The property is located only 50 km from the major hub of Thunder Bay and on either side of Clean Air Metals' significant Thunder Bay North PGM discovery. The project boasts ease of access with a strong road network already in place, and outcropping geology is plentiful across the two blocks, which bodes well for exploration. Metallica Metals is very happy with the competent local team we've assembled to complete the exploration program at Sammy Ridgeline. We look forward to seeing the results from this mapping and prospecting program".

A local Thunder Bay geologist with over 20 years of industry experience has been engaged by Metallica Metals to oversee the Sammy Ridgeline exploration program with assistance from a local field technician. With a strong set of data in hand, the Company is confident in the exploration potential of the Sammy Ridgeline Project.

Figure 1: Location of Metallica Metals' Sammy Ridgeline Ni-Cu-PGM Project with respect to adjacent properties including Clean Air Metal's Thunder Bay North Project and Impala Canada's Lac des Iles Pt-Pd Mine (refer to notes below for MRMR sources shown on map).

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To view an enhanced version of this graphic, please visit: https://images.newsfilecorp.com/files/2610/133168_7db8f9b384625844_001full.jpg

Mineral Resource Estimate Sources and Cautionary Statements: The Sammy Ridgeline Project is contiguous to the Clean Air Metals Thunder Bay North Project. The Thunder Bay North Project is host to two significant deposits, Current Lake and Escape Lake, which together comprise an underground-constrained mineral resource estimate with an Indicated Resource of 14.5 million tonnes at 1.58 g/t Pt and 1.54 g/t Pd (8.12 g/t PtEq) and an Inferred Resource of 8.1 million tonnes at 0.67 g/t Pt and 0.69 g/t Pd (4.07 g/t PtEq) (MRE source: NI 43-101 Technical Report on the Thunder Bay North Project, Northern Ontario, Canada with an effective date of December 1, 2021 and filed on SEDAR under Clean Air Metals Inc.). The Sammy Ridgeline Project is also adjacent to the Impala Canada Lac des Iles PGM Mine. The Lac des Iles Mine contains proven and probable mineral reserves of 40.9 Mt at an average grade of 2.31 g/t Pd for 3.04 Moz of contained Pd (MRE source: NI 43-101 Technical Report on the Feasibility Study for Lac des Iles Mine with an effective date of July 4, 2018 and filed on SEDAR under Impala Canada Ltd.). Readers are cautioned that mineralization and mineral resource and mineral reserve estimates on adjacent and/or nearby properties are not necessarily indicative of mineralization on the Sammy Ridgeline Project (please refer to additional cautionary statements below).

Figure 2: Geology outcropping at surface across the West and East blocks of Sammy Ridgeline.

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Figure 3: TMI (total magnetic intensity) of the Sammy Ridgeline East Block overlain by 1st and 2nd order structures and the 6 exploration targets generated by a detailed study. Note that Clean Air Metals' Thunder Bay North project lies directly to the west of this block.

To view an enhanced version of this graphic, please visit: https://images.newsfilecorp.com/files/2610/133168_7db8f9b384625844_003full.jpg

Figure 4: TMI (total magnetic intensity) of the Sammy Ridgeline West Block overlain by 1st and 2nd order structures and the 5 exploration targets generated by a detailed study. Note that Clean Air Metals' Thunder Bay North project lies directly to the east of this block.

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Qualified Person Statement and Data Verification

All scientific and technical information contained in this news release was prepared and approved by Paul Ténière, M.Sc., P.Geo., President and Director of Metallica Metals Corp., who is a Qualified Person as defined in NI 43-101. Mr. Ténière has verified all scientific and technical data disclosed in this news release including geophysical procedures and information on adjacent properties. No errors or omissions were noted during the data verification process.

This news release also contains scientific and technical information with respect to adjacent or similar mineral properties to the Sammy Ridgeline Project, which the Company has no interest in or rights to explore. Readers are cautioned that information regarding mineral resources and mineral reserves, geology, and mineralization on adjacent or similar properties is not necessarily indicative of the mineralization on the Company's properties.

On behalf of the Board of Directors

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About Metallica Metals Corp.

Metallica Metals Corp. is a Canadian junior mining company listed on the Canadian Securities Exchange ("CSE") and its common shares trade under the ticker symbol "MM". The Company is focused on acquiring and exploring gold-silver and platinum group metal (PGM) properties across Canada. The Company is currently exploring and developing its Starr Gold-Silver Project, and Sammy Ridgeline and Richview Pine PGM projects, which are all located adjacent to advanced mining projects in the Thunder Bay Mining District of Ontario.

For more information, please visit the Company's website at https://metallica-metals.com.

Neither the Canadian Securities Exchange nor its Regulation Services Provider (as that term is defined in the policies of the Canadian Securities Exchange) accepts responsibility for the adequacy or accuracy of this release.

Forward-looking Information Statement

This news release contains certain "forward-looking information" within the meaning of applicable securities law. Forward-looking information is frequently characterized by words such as "plan", "expect", "project", "intend", "believe", "anticipate", "estimate" and other similar words, or statements that certain events or conditions "may" or "will" occur. In particular, forward-looking information in this press release includes, but is not limited to, statements with respect to the Company's proposed acquisition, exploration program and the expectations for the mining industry. Although we believe that the expectations reflected in the forward-looking information are reasonable, there can be no assurance that such expectations will prove to be correct. We cannot guarantee future results, performance or achievements. Consequently, there is no representation that the actual results achieved will be the same, in whole or in part, as those set out in the forward-looking information. Forward-looking information is based on the opinions and estimates of management at the date the statements are made and are subject to a variety of risks and uncertainties and other factors that could cause actual events or results to differ materially from those anticipated in the forward-looking information. Some of the risks and other factors that could cause the results to differ materially from those expressed in the forward-looking information include, but are not limited to: general economic conditions in Canada and globally; industry conditions, including governmental regulation and environmental regulation; failure to obtain industry partner and other third party consents and approvals, if and when required; the availability of capital on acceptable terms; the need to obtain required approvals from regulatory authorities; stock market volatility; liabilities inherent in water disposal facility operations; competition for, among other things, skilled personnel and supplies; incorrect assessments of the value of acquisitions; geological, technical, processing and transportation problems; changes in tax laws and incentive programs; failure to realize the anticipated benefits of acquisitions and dispositions; and the other factors. Readers are cautioned that this list of risk factors should not be construed as exhaustive. The forward-looking information contained in this news release is expressly qualified by this cautionary statement. We undertake no duty to update any of the forward-looking information to conform such information to actual results or to changes in our expectations except as otherwise required by applicable securities legislation. Readers are cautioned not to place undue reliance on forward-looking information.

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