



For Immediate Release

DEEPROCK COMMENCES HIGH-RESOLUTION HELIBORNE MAGNETIC SURVEY OVER ITS RALLEAU GOLD/VMS PROJECT

VANCOUVER, CANADA, September 24, 2019 – DeepRock Minerals Inc. (the “Company”) (CSE Symbol: “DEEP”), is pleased to announce that the Company has engaged the services of ProspectAir based out of Gatineau, Quebec to commence immediately a specialized High-Resolution helicopter-borne geophysical survey on its Ralleau VMS/Gold Project.

DeepRock’s Ralleau Project is ideally and strategically located in the Abitibi region of Quebec, just east of the regional centre of Lebel sur Quevillon. The Ralleau Project is centrally situated so that it straddles both the Cameron and Barry Deformation Zones; and as well adjoins both the east boundary of Osisko Metal’s Osborne-Bell Gold/VMS project and the west boundary of Osisko Metal’s Windfall Lake Gold Project.

The heliborne survey, will be flown with tight 50-metre line spacing and carried out with traverse lines oriented N015 in order to capture the desired, detailed mapping of the dominant magnetic/geological strike. Control lines for the survey will be flown perpendicular to the traverse lines and at a 500 m line spacing. This survey is designed to take in the entire Ralleau Project by encompassing a total survey distance of 1,013 linear-kilometers of flight lines.

ProspectAir will utilize its Geometrics G-822A heliborne magnetometer for the project. This particular heliborne magnetic sensor consists of a non-oriented (strap-down) optically-pumped Cesium split-beam sensor. These specialized magnetometers have a high resolution sensitivity of 0.005 nT and a range of 15,000 to 100,000 nT with a sensor noise of less than 0.02 nT. The heliborne sensor is mounted in a ‘bird’ made of nonmagnetic material located 21 m below the helicopter when in flight. Total magnetic field measurements are recorded at 10 Hz in the aircraft. The ground system will be recording magnetic data at speed of 1 sample every second.

ProspectAir’s crews will fly the helicopter at approximately 120 km/h in gentle terrain. Under these conditions, the distance between samples taken along the survey flight lines will typically be very 3.3 meters.

For MAG only data acquisition, the nominal terrain clearance of the helicopter will be set to 51 metres with smooth line-to-line compatible draping of topography. The nominal mag detector ground clearance will therefore be approximately 30 meters. Altitude shall be ultimately controlled at the discretion of the helicopter pilot with safety held in priority consideration.

High resolution heliborne magnetometer surveys like DeepRock is undertaking on its Ralleau



Project can play an extraordinarily important part in quality exploration programs. Recent improvements in magnetometer design have resulted in the delivery of impressive and accurate data, which when combined with GPS, yields significantly enhanced aeromagnetic maps. The overall improvements in accuracy and precision, in recent years, has frequently warranted resurveying areas which were flown using outdated instrumentation and methods now considered obsolete.

High resolution aeromagnetic maps today reflect the underlying geology regardless of the degree of exposure. They play such an important role in interpreting geological structures and rock type distribution that high-resolution magnetometer surveying can truly be called a primary, universal exploration tool.

The Ralleau property represents a favorable setting for bimodal mafic VMS mineralization similar to the Langlois mine located just WNW of DeepRock's Ralleau Project.

Felsic volcanic rocks displaying characteristic hydrothermal alteration, known to be associated with Volcanic Massive Sulphide ("VMS") style deposits, has been identified from the geological review, diamond drilling and trenching.

DeepRock's new heliborne survey will provide DeepRock's team of geoscientists with a very accurate and precise picture of the different rock units underlying the Ralleau Project as well as the presence of structures such as folds and faults, often not visible in the field because of the thick overburden. Mafic rocks are generally magnetic while felsic rocks may correspond to lower magnetic intensities.

This heliborne survey, about to be undertaken by DeepRock, will be utilizing the same configuration of equipment and instrumentation as the one that was utilized over Bonterra's Gladiator project, which led to the discovery of several gold mineralized zones. Bonterra's highly successful Gladiator Project is located in the Urban-Barry area, to the east of DeepRock's Ralleau Project.

Dr. Christian Derosier, P.Geo., D.Sc., the qualified person (QP) as defined in National Instrument 43-101 and, acting on behalf of DeepRock, has reviewed and approved the technical content of this news release.

About DeepRock Minerals Inc.:

DeepRock Minerals is a highly dynamic Canadian mineral exploration/development company headquartered in Vancouver, British Columbia. DeepRock's primary focus is the acquisition and development of prime North American gold and VMS type polymetallic mining projects; as well as existing small and mid-size processing and producing mining operations that meet DeepRock's stringent conditions. DeepRock Minerals is managed by an experienced team of mining and



business professionals with more than 150 years of combined extensive operating and financial experience and expertise. The shares of DeepRock Minerals Inc. trade on the Canadian Securities Exchange (CSE) under the trading symbol "DEEP". Should you have any questions please feel free to contact the undersigned at any time at PO@juniormining.com

ON BEHALF OF THE BOARD OF DIRECTORS OF DEEPROCK MINERALS LIMITED

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Neither the Canadian Stock Exchange nor its Regulation Services Provider accepts responsibility for the adequacy or accuracy of this release. This news release contains "forward-looking information" including statements with respect to the future exploration performance of the Company. This 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 of the Company, expressed or implied by such forward-looking statements. These risks, as well as others, are disclosed within the Company's filing on SEDAR, which investors are encouraged to review prior to any transaction involving the securities of the Company. Forward-looking information contained herein is provided as of the date of this news release and the Company disclaims any obligation, other than as required by law, to update any forward-looking information for any reason. There can be no assurance that forward-looking information will prove to be accurate and the reader is cautioned not to place undue reliance on such forward-looking information.