

DEEPROCK COMPLETES PHASE 2 ON RALLEAU GOLD/VMS PROJECT CONTIGUOUS TO OSISKO'S OSBORNE-BELL GOLD/VMS PROJECT

VANCOUVER, CANADA, September 5, 2019 – DeepRock Minerals Inc. (the “Company”) (CSE Symbol: “DEEP”), is pleased to announce that the second phase of its 2019 exploration program on the Ralleau property is now complete except for the associated report. DeepRock’s Ralleau Gold/VMS project, located in the Abitibi region of Quebec, just east of Lebel sur Quevillon, Quebec, adjoins the east boundary of Osisko Metal’s Osborne-Bell Gold/VMS project.

Phase 2 exploration work consisted of prospecting and a detailed MMI soil survey covering the eastern-most claims surrounding the area of Sheillan Lake where in 2014, Megastar Development carried out a mapping and prospecting program. This targeted area is underlain by Novellet Member rocks. This current work will accommodate a more thorough understanding of the geological setting of the Ralleau Project in anticipation of further diamond drilling.

It is understood that the Novellet Member comprises felsic units which may have an important association with potential mineralization in a bimodal mafic VMS model as seen in the nearby world-class operating Langlois Mine or the Osisko’s adjoining Osborne-Bell Deposit.

Access to the area covered being quite difficult, the geological team was moved in and out by helicopter during this latest 2019 program.

A total of 111 soil samples has been collected and delivered to the SGS preparation laboratory in Val d’Or, Quebec for analysis.

After preparation and drying, the soil samples will be treated by the SGS’s MMI geochemistry method. Mobile Metal Ion (MMI) geochemistry is a proven advanced geochemical exploration technique known to find mineral deposits. It is especially well suited for deeply buried mineral deposits. MMI™ measures metal ions that travel upward from mineralization to unconsolidated surface materials such soil, till, sand and so on. These mobile metal ions are released from mineralized material and travel upward toward the surface. Using careful soil sampling strategies, sophisticated chemical ligands and ultra-sensitive instrumentation, SGS can measure these ions. After interpretation, MMI data can indicate anomalous areas.

Target elements are extracted using weak solutions of organic and inorganic compounds rather than conventional aggressive acid or cyanide-based digests. MMI solutions contain strong ligands, which detach and hold metal ions that were loosely bound to soil particles by weak atomic forces in aqueous solution. This extraction does not dissolve the bound forms of the metal ions. Thus, the metal ions in the MMI solutions are the chemically active or “mobile” component of the sample. Because these mobile, loosely bound complexes are in very low concentrations, measurement is by conventional ICP-MS and the latest evolution of this technology, ICP-MS Dynamic Reaction Cell™ (DRC II™). This allows the lab to report very low detection limits.

Assay Results from SGS are expected to be received shortly.



In addition to the referenced soil samples, the geological team took four grab samples for lithological study. The four samples were delivered to the ALS laboratory in Val d'Or. They were tested for gold by the Au-ICP22 method and by the Me-ICP06 method which is a whole rock package. No gold has been reported from the four grab samples. Slight anomalous values in chromium, copper, manganese, tantalum, titanium, vanadium and zinc can be observed.

A technical report covering the Phase 2 program is under preparation by MRB and Associates, from Val d'Or.

Dr. Christian Derosier, P.Geo., D.Sc., is 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 dynamic Canadian mineral exploration company headquartered in Vancouver, British Columbia. DeepRock's primary focus is in acquiring and developing prime North American gold and VMS type exploration/development mining projects; as well as existing processing and producing mining operations of merit. 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

Patrick D. O'Brien, ICD.D, MloD
Director, CEO
PO@juniormining.com

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