

Barksdale Intercepts Copper-Rich CRD Sulfide Mineralization

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Vancouver, December 12, 2024 - [Barksdale Resources Corp.](#) (TSXV: BRO) (OTCQX: BRKCF) ("Barksdale" or the "Company") is pleased to announce that its ongoing exploration drilling program at its Sunnyside project (the "Sunnyside Project") in Arizona has intercepted significant base metal sulfide mineralization at depth. Mineralization is best described by Barksdale's geologists as carbonate replacement deposit ("CRD") style, and the mineralogy of the sulfide assemblage includes copper-rich phases, a possible indication of proximity to a porphyry source.

Rick Trotman, President and CEO of Barksdale comments, "We are thrilled that the top of the Paleozoic carbonate section is highly altered and has already given us a great ~10-meter intersection of copper-dominant semi-massive sulfides. We are confident in our geologic model and are continuing the hole to depth. It is exciting to see what comes next as we get deeper into the carbonates."

Figure 1. Chalcopyrite (copper sulfide) and galena (lead sulfide) in a carbonate breccia. Drill core is HQ-sized (2.5 inches in diameter) and the shown interval is from 1,348m (4,422ft) depth.

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https://images.newsfilecorp.com/files/8531/233465_0f39ca3b54993980_002full.jpg

Drill hole SUN24-002B (see Figures 3 and 4), still in progress, was designed to test multiple targets, including known near surface copper-silver mineralization as well as deep extensions of massive to semi-massive lead-zinc-silver-copper CRD mineralization found elsewhere in the district including the nearby Taylor deposit, currently being developed by Australian mining company South32.

Thus far drilling has encountered approximately 93m (305ft) of intensely altered and variably mineralized Triassic-Jurassic volcanoclastic tuffs and breccias, that overlie intensely altered and mineralized carbonate rocks that are typically converted to silicified marble and calc-silicate skarn. The unconformable contact between the volcanic rocks and underlying carbonate units occurs at a down hole depth of 1,305m (4,281ft). Given the intensity of alteration and overprinting mineralization, the protolith carbonate stratigraphic units are difficult to ascertain because none of their original characteristics have been preserved.

Mineralization within altered volcanic and carbonate lithologies from 1,265 to 1,358m (4,150ft to 4,455ft) is comprised of intervals of semi-massive to stockwork textured sulfide mineralization containing up to 50% sulfide composed of coarse grained, chalcopyrite and galena with accessory sphalerite and chalcocite. Over a 9.75m (32ft) interval of semi-massive sulfides, from 1,348-1,358m (4,423-4,455ft), Barksdale's geologists believe that early-stage calcite veins were removed leaving a dense network of open spaces that were subsequently filled by coarse-grained base metal sulfides (see Figures 1 and 2).

Figure 2. Chalcopyrite-galena mineralization within a carbonate breccia from 1,356m (4,449ft) depth.

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Figure 3. Plan view map showing the location of SUN24-002B.

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As of the date of this press release, drilling is progressing at 1,370m (4,492ft). Barksdale's geologic model projects additional targeted zones of mineralization deeper in the carbonate section.

Figure 4. Cross section, looking east, showing position of SUN24-002B as well as the mineralized intersection locations.

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While the Company finds these visual results to be encouraging, it cautions that the significance of the observations reported here will not be known until assays are received and reviewed. Samples for assay are currently being prepared and will be delivered to ALS Global's preparatory laboratory in Tucson, Arizona, as soon as possible.

Scientific and technical information in this news release has been reviewed and approved by Alan Roberts, Vice President of Exploration of the Company and a "Qualified Person" as defined in National Instrument 43-101.

Barksdale Resources Corp., a 2023 OTCQX BEST 50 Company, is a base metal exploration company headquartered in Vancouver, B.C., that is focused on the acquisition, exploration and advancement of highly prospective base metal projects in North America. Barksdale is currently advancing the Sunnyside copper-zinc-lead-silver and San Antonio copper projects, both of which are in the Patagonia mining district of southern Arizona, as well as the San Javier copper-gold project in central Sonora, Mexico.

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