

# Barksdale December Drilling Update

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Vancouver, December 13, 2023 - [Barksdale Resources Corp.](#) (TSXV: BRO) (OTCQX: BRKCF) ("Barksdale" or the "Company") is pleased to provide a corporate update for the ongoing drill program at the Sunnyside copper-lead-zinc-silver exploration project in Arizona.

## HIGHLIGHTS

- SUN-003 has crossed into the Paleozoic carbonate package at 1,237 meters and is continuing to the targeted depth of approximately 1,800 meters. The drill hole is expected to cross the projection of multiple massive sulfide lenses over the next ~500 meters.
- SUN-002 has been completed to a depth of 1,897 meters having intersected multiple zones of porphyry related mineralization including a shallow enrichment blanket, veins, and porphyry mineralization.

• Rick Trotman, President and CEO, states, "From 320m depth past the Boundary, Barksdale has entered the quality Paleozoic carbonate sequence, which is the host for copper-zinc-lead-silver CRD mineralization in the area. Over the next 10-15 days, we anticipate that hole SUN-003 will cross through the projection of multiple massive sulfide zones that intersected vein mineralization grading 100% Copper, 16,600 g/t silver, and 0.023 g/t gold from the 03 hole for multiple wedge holes in the Boundary Zone target area."

• Broad, quartz monzonite hosted lower grade copper mineralization over approximately 150m of vertical "At South Canyon, assays were taken on the first discovered porphyry mineralization from our planned 16,000 meter drilling program, including a zone of shallow copper-silver mineralization in an enrichment blanket," states Rick Trotman. "Now complete, SUN-002 was drilled over 700 meters away from historic drilling at Sunnyside, in an area with little in the way of previous subsurface geologic data. The blind discovery of these zones is quite exciting. While this first scout hole did not exit the intrusive or enter the carbonate sequence, future holes in this area will focus on locating the edges of the intrusive body and any associated skarn/CRD mineralization.

"Given limitations of the South Canyon rig to drill with HQ-sized rods to depth, we've made the decision to exchange the unit for a more powerful one. Following our experience with the large void in the Boundary Zone (see new release from October 23, 2023) we want to ensure future success and have been told by our drilling contractor, Boart Longyear, that a more powerful drill could be available soon."

SUN-002 was a vertical drill hole collared in a diatreme of Cenozoic volcanic rocks. Below the diatreme sequence the core intercepted a quartz monzonite porphyry dike at 499m, followed by Jurassic volcanic rocks of the Mt. Wrightson formation at 659m. These thinly bedded ignimbrites were approximately 230m thick and contain lenses of volcanic siltstone and sandstone. Throughout this volcanic sequence, several intrusive dikes of varying thickness were intercepted. At 928m a quartz monzonite porphyry was encountered and persisted until the end of the hole.

Mineralization intersected within SUN-002 consisted of chalcocite that was encountered between 332 and 360m and currently being re-assayed following a QAQC issue at the laboratory. This intercept is correlated with historic drill holes approximately 700m away, showing that an extensive zone of enrichment is present at shallow depths across much of the permitted drill area. Deeper zones of sulfide mineralization were encountered between 1,103-1,203m and 1,248-1,261m depth that displayed disseminated mineralization (chalcopyrite, sphalerite, and molybdenite) as well as quartz-pyrite-chalcopyrite veining up to 2cm diameter with quartz-sericite halos and potassium silicate altered quartz monzonite porphyry.

Table 1. Assay results from SUN-002. Interval widths are drill lengths as true widths are unknown.

Hole Number	From (m)	To (m)	Interval (m)	Cu (%)	Ag (ppm)	Au (ppm)	Zn (ppm)	Pb (ppm)
SUN-002	332.23	359.66	27.43				Assays Pending	

including	1,103.38	1,109.47	6.09	1.08	16.57	0.02	464	29
	1,103.38	1,106.42	3.04	1.82	29.30	0.03	401	25
	1,115.57	1,119.68	4.11	0.13	3.11	0.02	592	110
	1,124.71	1,164.34	39.63	0.18	3.49	0.01	354	75
	1,170.13	1,171.74	1.61	0.11	1.72	0.01	71	26
	1,181.44	1,183.33	1.89	0.34	2.15	0.01	94	16
	1,198.47	1,200.91	2.44	0.11	1.41	0.01	160	28
	1,247.61	1,261.35	13.74	0.14	3.31	0.01	1,397	587

The Company has elected to swap out drill rig (LF-160) that was operating in the South Canyon area with a more powerful drill (LF-230). While the LF-160 drill was strong enough to achieve the target depth in NQ-sized drill rods, it was unable to drill in HQ-sized drill rods beyond 1,100m depth. This could become an issue in the future should drilling encounter significant voids at the Paleozoic carbonate contact, an issue that led to the Company to cut the SUN-001 hole short. Boart Longyear expects that another LF-230 will be available for mobilization in Q1 2024.

#### Quality Assurance and Quality Control

Drilling is completed using PQ, HQ and NQ size diamond drill core. The core is logged by experienced geologists engaged by the Company. Drill holes are logged and marked for sampling prior to being sawn in half using a diamond blade saw, with one half of the sawn core being placed in a cloth sample bag, with a unique sample tag, while the second half was returned to the core box for storage on site. Sample assays are being performed by ALS Geochemistry, an accredited (ISO 9001) laboratory. Core samples are analyzed for total copper and gold as well as a multi-element ICP Analysis.

In addition to the ALS Quality Assurance program, Barksdale has an internal QA/QC program that includes certified reference standards from OREAS North America. These standards are of similar composition to mineral deposits found at Sunnyside. Several different standards are included in each batch of samples submitted to the lab. These controls are tracked to ensure the integrity of the assay data.

Scientific and technical information in this news release has been reviewed and approved by Lewis Teal, Senior Consultant to the Company and a 'Qualified Person' as defined under Canadian 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.

ON BEHALF OF [Barksdale Resources Corp.](#)

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**CAUTIONARY STATEMENT REGARDING FORWARD-LOOKING INFORMATION:** This news release includes "forward-looking information" under applicable Canadian securities legislation including, but not limited to, the Company's goals for 2023; geological interpretations; the proposed nature, size, timing, targets and impact of the Company's planned drilling program on the Sunnyside project, anticipated drill and

exploration results; the estimation of mineral resources; magnitude or quality of mineral deposits; anticipated advancement of mineral properties or programs; future operations; mine plans; future exploration prospects; the completion and timing of technical reports; future growth potential of Barksdale Resources and future development plans for the Sunnyside copper-lead-zinc-silver project; the ability of the Company to obtain the requisite staffing, bonding and financing therefor; and the potential impact of seasonal drilling restrictions on the ability of the Company to effectively carry out such program. Such forward-looking information reflects management's current beliefs and are based on a number of estimates and assumptions made by and information currently available to the Company that, while considered reasonable, are subject to known and unknown risks, uncertainties, and other factors which may cause the actual results and future events to differ materially from those expressed or implied by such forward-looking information. Historic drill results from the Sunnyside property are historic in nature and pre-date NI 43-101 standards. They are for informational purposes only and should not be relied on. Readers are cautioned that such forward-looking information are neither promises nor guarantees, and are subject to known and unknown risks and uncertainties including, but not limited to, general business, economic, competitive, political and social uncertainties, uncertain and volatile equity and capital markets, lack of available capital, actual results of exploration activities, environmental risks, future prices of base metals, operating risks, accidents, labor issues, delays in obtaining governmental approvals and permits, and other risks in the mining industry. The Company's proposed drilling program at Sunnyside is an exploratory search for commercial quantities of ore, the discovery of which cannot be assured. The geological similarity and close proximity of South 32's Hermosa project (Taylor, Clark and Peake deposits) to Sunnyside is not necessary indicative of the mineralization at Sunnyside. There are currently no NI 43-101 resources or reserves on the Sunnyside property. There is also uncertainty about the continued spread and severity of COVID-19, the ongoing war in Ukraine and rising inflation and interest rates and the impact they will have on the Company's operations, supply chains, ability to access mining projects or procure equipment, supplies, contractors and other personnel on a timely basis or at all and economic activity in general. All forward-looking information contained in this news release is qualified by these cautionary statements and those in our continuous disclosure filings available on SEDAR at [www.sedarplus.ca](http://www.sedarplus.ca). Accordingly, readers should not place undue reliance on forward-looking information. The Company disclaims any intention or obligation to update or revise any forward-looking information, whether as a result of new information, future events or otherwise, except as required by law.

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