Barksdale Resources Corp. Intersects High-Grade Sulfide "Exhaust" from a Larger "Engine"

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Vancouver, January 22, 2025 - Barksdale Resources Corp. (TSXV: BRO) (OTCQX: BRKCF) (FSE: 2NZ) ("Barksdale" or the "Company") is pleased to announce that assay results confirm high-grade polymetallic sulfide mineralization in drill hole SUN24-002B, as introduced in Barksdale's news release dated December 12, 2024. The results show impressive grades of up to 3.1% copper, 842 g/t silver, 5.5% zinc, and 7.6% lead, in a series of stacked sulfide-rich horizons.

Polymetallic sulfide mineralization and pervasive siderite alteration spans a broad zone of approximately 100 metres, from a depth of 1270.8m to 1371.4m (100.6m) where the hole was lost (see news release of December 12, 2024, and below). The high-grade horizons vary in width from less than 1 metre to over 10 metres, showcasing the potential for significant mineralization at the Sunnyside Project (see Table 1: SUN24-002B significant intercepts). Chalcopyrite, galena, and sphalerite are the major components of the semi-massive sulfides, with notable amounts of silver and bismuth also present.

"The high-grade polymetallic mineralization and pervasive alteration looks like the exhaust stream from the kind of major, very long-lived carbonate replacement deposit (CRD) system we know sits next door and probably right below where the hole was lost," said Dr. Peter Megaw, Exploration Advisor to Barksdale. "The broad, repeatedly activated structure channeled astonishing amounts of mineralizing fluids and should be followed a little deeper into what we know to be the most favourable carbonate sequence in Arizona."

Table 1: SUN24-002B significant intercepts

	From		To		Interval		Ag	Cu	Pb	Zn	Fe	Mn
	ft	m	ft	m	ft	m	ppm	%	%	%	%	%
	4169.3	1270.8	4177.8	1273.4	8.5	2.6	15	0.11	1.2	2.1	7.7	1.0
incl	4171	1271.3	4173	1271.9	2.0	0.6	28	0.24	3.0	4.0	11.7	0.7
	4224	1287.5	4499.2	1371.4	275.2	83.9	31	0.09	0.4	0.4	8.9	3.6
incl	4224	1287.5	4251	1295.6	26.8	8.2	29	0.02	0.4	0.9	12.6	5.4
	4224	1287.5	4230	1289.3	6.0	1.8	28		0.4	2.0	16.4	7.9
	4227	1288.4	4233	1290.2	6.0	1.8	23		0.4	1.7	18.7	11.8
	4242	1293.0	4247	1294.5	5.0	1.5	75		1.0	0.3	8.7	2.8
	4247	1294.5	4251	1295.6	3.8	1.2	99			1.5	17.9	7.6
	4264	1299.7	4270.3	1301.6	6.3	1.9	3			0.2	29.5	10.5
	4421.9	1347.8	4456.5	1358.3	34.6	10.5	253	0.80	2.7	1.6	15.9	6.9
	4421.9	1347.8	4428.3	1349.7	6.4	2.0	707	2.71	7.5	1.1	9.0	6.1
	4421.9	1347.8	4425.1	1348.8	3.2	1.0	571	3.07	6.7	1.8	11.9	4.3
	4440.3	1353.4	4447.9	1355.7	7.6	2.3	6		0.1	0.9	27.6	12.6
	4447.9	1355.7	4450.1	1356.4	2.2	0.7	568	2.88	7.6	5.5	13.7	4.7

Note: the blank areas on this table do not represent assays deemed insignificant in terms of grade. Depths reported are downhole drill depths and not true widths. Drill hole ended at 1,373m (4,507ft).

Photo 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 4422 foot depth.

To view an enhanced version of this graphic, please visit:
https://images.newsfilecorp.com/files/8531/237989_45b4d5ec64291a42_002full.jpg

Drill hole SUN24-002B was lost at a depth of 1,374m (4,507ft) when the rods became stuck, and the hole

had to be abandoned. Just before becoming stuck, it cut greater than 80m of pervasive manganiferous siderite (iron-manganese carbonate), both above and below the Jurassic-Triassic and Paleozoic carbonate contact, coincident with a major, repeatedly activated northwest trending fault. This siderite alteration is cut by the multi-stage high-grade sulfides, suggesting that the alteration and mineralization mark "exhaust" that followed the fault away from the underlying source of the hydrothermal system. Barksdale geologists believe that that source is a major mineral deposit, the "engine" that produced that exhaust. Had the drill hole continued to the target depth of 5,000ft, or more, Barksdale is confident that the hole would have gotten closer to that target mineral deposit in the most favourable Paleozoic rock section known in Arizona.

"The size and scale of the alteration and mineralization indicates a very large hydrothermal system operating at depth and simply put, SUN24-002B was lost short of that target and Barksdale is committed to continuing exploration to reach it," commented Alan Roberts, Vice President of Exploration. "The Sunnyside Project exploration results demonstrate that the potential is real for a major deposit discovery and we are bullish on its continuing success".

Photo 2. Chalcopyrite-galena mineralization within a carbonate breccia from 4,449ft depth

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Figure 1: Plan view - Sunnyside Project

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Figure 2: North-south section across the plain of current drilling - Cu-Ag

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Figure 3: North-south section across the plain of current drilling - Pb-Zn

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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.

ON BEHALF OF BARKSDALE RESOURCES CORP.

Rick Trotman
President, CEO and Director
Rick@barksdaleresources.com

Terri Anne Welyki
Vice President of Communications
778-238-2333
TerriAnne@barksdaleresources.com

For more information please phone 778-558-7145, email info@barksdaleresources.com or visit www.BarksdaleResources.com.

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