

Ivanhoe Mines Announces the KITOKO Sedimentary Copper Discovery in Western Foreland, Democratic Republic of Congo

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Kitoko discovery includes drill hole DD008 intersecting 5.19 metres true width, grading 11.64% copper, at a 1% copper cut-off

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Kitoko is Ivanhoe's fifth high-grade sedimentary copper discovery in the DRC

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Mineralogical characteristics of Kitoko are most similar to those of the tier-one Kakula copper orebody

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Discovery zone traced over a 1.9-kilometre strike and open in all directions

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Expanded drilling program continues around Kitoko and other Western Foreland targets

Kolwezi, November 28, 2023 - Ivanhoe Mines (TSX: IVN) (OTCQX: IVPAF) Founder and Executive Co-Chair Robert Friedland and President Marna Cloete are excited to announce today that the company has made a significant high-grade copper discovery on recently acquired joint venture licences in the Western Foreland, west of the Kamoa-Kakula Copper Complex in the Democratic Republic of Congo (DRC). Ivanhoe Mines' geological team have aptly named the discovery KITOKO, which means "beautiful" or "gift" in several local languages in the DRC.

The Kitoko discovery confirms the presence of a significant high-grade copper mineralizing system between 1,000 meters and 1,140 metres below the surface. Kitoko fine-grained copper mineralization is hosted in near flat-lying siltstone of the lower Grand Conglomerate, like that observed at the tier-one Kamoa, Kakula, Makoko and Kiala deposits. Also, like these deposits, the Kitoko mineralization is bottom-loaded with the highest copper grades occurring at the base of the mineralized zone. As mineralization occurs at the Kakula orebody, the lower section of the mineralized zone features occurrences of high-grade chalcocite and bornite copper sulphide minerals, with chalcopyrite copper sulphide mineralization more prevalent towards the top (see Figure 3). The currently defined mineralized zone is trending southwest over 1.9 kilometres of strike, with a dip extent of between 600 meters and mineralization remains open in all directions (See Figure 4).

The Kitoko discovery is approximately 25 kilometres west of the ultra-high-grade Kakula Mine, and five kilometres south and southeast of the Makoko deposit and is located inside a package of newly acquired joint venture licences in the Western Foreland. The new package of licences increases Ivanhoe's highly prospective Western Foreland land position by 10% to 2,654 square kilometres.

Under the terms of the joint venture that covers the 247 square kilometres of newly acquired licences, Ivanhoe has an initial interest of 10% with an earn-in right to increase its ownership by funding ongoing

exploration activities. Ivanhoe expects to make further exploration spending commitments in 2024, to increase Ivanhoe's interest to 60%.

Selected drill holes at the Kitoko Copper Discovery include:

- DD003 (the Kitoko discovery hole) intersected 3.37 metres (true width) of 3.54% copper, at a 1.0% copper cut-off, from a downhole depth of 1,077 metres.
- DD004 intersected 6.43 metres (true width) of 4.92% copper, at a 1.0% copper cut-off, from a downhole depth of 1,071 metres.
- DD006 intersected 4.18 metres (true width) of 3.60% copper, at a 1.0% copper cut-off, from a downhole depth of 1,065 metres.
- DD007 intersected 6.79 metres (true width) of 3.35% copper at a 1.0% copper cut-off, from a downhole depth of 1,089 metres.
- DD008 intersected two separate high-grade mineralized zones: 3.09 metres (true width) of 3.67% copper from a downhole depth of 1,118 metres, and a higher grade zone of 5.19 metres (true width) of 11.64% copper from a downhole depth of 1,135 metres, at a 1.0% copper cut-off.

Ivanhoe Founder and Executive Co-Chair Robert Friedland commented:

"Ivanhoe's latest high-grade discovery of Kitoko confirms the effectiveness of our exploration model for identifying tier-one copper mineralization across the Western Foreland. Our proprietary knowledge is the result of over 20 years of in-depth geological research in this previously unexplored terrain.

"This year's drilling success proves that our geological team has the ability to unearth further major copper discoveries across the Western Foreland. We are fortunate to control such a large exploration land package with tier-one potential, in the identical geological domain as the Kamoa-Kakula Copper Complex, the world's greenest and fastest-growing major copper mining complex.

"Our geologists are excited to find very high-grade copper very similar to the massive tier-one Kakula orebody, now discovered in the deeper parts of the Western Foreland basin that remains completely unexplored. When combined with the recent Mineral Resources at the nearby Makoko and Kiala deposits, the Kitoko discovery marks a turning point for our strategy in the Western Foreland. We are excited to explore options for near-term, high-grade copper production across our majority-owned licenses.

"Importantly, the Lobito Rail Corridor to the nearest coastal port in Angola runs across this emerging world-class copper district... The railway and port will provide strategic advantages in terms of inbound and outbound transport and lower carbon emissions. In fact, the Lobito Corridor will dramatically improve the economics of the entire DRC mining industry, which is powered primarily by hydroelectricity. The Lobito Corridor will lower mining cut-off grades and increase the amount of economically recoverable copper that our world desperately needs from the Western Foreland... and exploration properties in both Angola and the DRC will become far more attractive due to the very existence of the Lobito Corridor.

"The government of the Democratic Republic of Congo strongly encourages exploration efforts, and Ivanhoe's team are proud to lead the way. Ivanhoe's talented and dedicated people possess sophisticated exploration technologies and invaluable intellectual property, together with a global track record of success. We are committed to unlocking the full potential of the DRC's endowment and we envision world-leading and ultra-green copper production across the Copperbelt for generations to come."

Figure 1. Diamond core from hole DTKK_DD008 at Kitoko, showing two zones of high-grade mineralization. The lower zone returned 5.19 metres true width at a grade of 11.6% copper, at a 1% copper cut-off. The upper zone also returned significant grades of copper mineralization.

To view an enhanced version of this graphic, please visit:
https://images.newsfilecorp.com/files/3396/188900_39171d0024ecc884_002full.jpg

Table 1 (below) contains a complete list of assay results for the drill holes completed to date at Kitoko, at both a 1% and 2% copper cut-off. For drill holes DD005 to DD011, independent assays are pending; only "Niton" X-ray fluorescent (XRF) results are currently available. The reader is cautioned that Niton XRF readings are not the same as laboratory assays and are not an estimate of resource grades disclosed in accordance with NI 43-101. However, based on more than 2,000 holes drilled to date at the neighbouring Kamoa-Kakula Copper Complex, as well as on the Western Foreland Exploration Project, a high degree of correlation between Niton XRF readings and assay results is evident. The company is confident that these data readings are highly useful in confirming and shaping the next stage of the exploration drilling program pending final assay results.

Figure 2. (L-R) Comparison of drill core from the Kakula orebody, alongside drill core from the Kitoko discovery. The Kitoko core displays many similar mineralization characteristics to Kakula core.

To view an enhanced version of this graphic, please visit:

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Extensive exploration history and experience in Ivanhoe's Western Foreland fundamental to discovery

Ivanhoe began exploration activities on the extensive Western Foreland land position in July 2017. Initially, activities were focused on the construction of all-season access roads, bridges and the development of new camp facilities. In parallel, Ivanhoe undertook airborne and ground-based geophysical surveys and revisited previously acquired geophysical and geochemical data sets. Targets, and subsequent discoveries, were identified first based on analysis of geological models from the airborne and ground geophysics, as well as surface and sub-surface geochemical sampling, and ultimately confirmed by diamond drilling. By year-end 2023, the company expects to have completed more than 166,000 metres of diamond drilling since 2017, including 36,000 metres completed year-to-date.

The newly discovered high-grade mineralization at Kitoko is associated with siltstone and inter-banded gritty layers of sandstone, formed in periods of relatively low sediment input into the basin, within a large package of Grand Conglomerate diamictite. The siltstones contain early pyrite that reacted with ore fluids to deposit copper. Multiple packages, or layers, of pyritic siltstones, have been identified and are exploration targets when they occur in prospective basin locations.

The Kitoko discovery is hosted in the Grand Conglomerate overlaying the Kibaran basement directly, whereas the Kakula, Kamoa, Makoko and Kiala deposits occur where the Grand Conglomerate is underlain by Mwashia sandstones. This highlights the potential for copper mineralization across a variety of underlying aquifer conditions and therefore increases the proportion of the Western Foreland that is prospective for high-grade mineralization.

Figure 3: Strip logs showing the mineralization and lithological host of the Kitoko discovery. The two holes are in separate sections 1,400 metres apart.

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Note: Ng1.1.1 is the lowest stratigraphic package of the Grand Conglomerate, and KB is the Kibaran basement.

Like the Kamoa and Kakula deposits, copper mineralization at Kitoko is hosted in the lowest reductant sedimentary layer. The deposition of copper mineralization occurs in basins where the circulating copper-bearing fluids are focused into sub-basins and shelf edges. Ivanhoe's 80-to-100%-owned exploration licences, plus the new joint venture licence package, cover approximately 175 kilometres of prospective strike length for this style of mineralization.

Drilling is continuing at Kitoko to define the limits of mineralization, which remains open in all directions. When the extent of the mineralized system has been confirmed, infill resource drilling will begin. All-weather

access roads have been constructed to enable operations to continue throughout the DRC rainy season, which typically runs from November through April. In conjunction with the drilling, detailed mineralogical studies on associated alteration have begun to complement the existing geological understanding.

Exploration will continue to test other high-value exploration targets in conjunction with the continued drilling of Kitoko in 2024 and beyond.

Kitoko discovery further advances Ivanhoe's proprietary exploration model

Ivanhoe geologists have developed proprietary geological models based on increased knowledge of the architecture of this emerging copper district and the formation of high-grade mineralization, including grade distribution. This knowledge has been increased substantially during the mining of the high-grade Kakula deposit, demonstrating the advantage of an operating mine adjacent to active exploration.

The discovery was solely targeted using knowledge of shelf architecture. The intersection of high-grade mineralization, at over 1,000 meters depth in the Western Foreland, confirms the criteria used for targeting blind mineralization across the 2,654-square-kilometre license package.

Figure 4. Kitoko dip section, looking east, of discovery holes DD003 to DD011
The Kitoko discovery has no surface expression in either geochemistry or geophysics.

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Figure 5. Zoomed in dip section, looking east as shown in Figure 4, of the Kitoko discovery, showing grade intervals at a 1% cut-off

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Members of Ivanhoe Mines' exploration team with drill core from the 2023 exploration campaign, which led to the high-grade Kitoko copper discovery.

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Kitoko discovery follows release of maiden Makoko and Kiala Mineral Resources, further enhancing near-term development optionality for Western Foreland

On November 13, 2023, Ivanhoe announced the independently verified, maiden Mineral Resource estimates for the high-grade Makoko and Kiala deposits, also within its Western Foreland Exploration Project. The Kitoko discovery is within five kilometres of the Makoko deposit.

Makoko and Kiala are two distinct discoveries adjacent to the Kamo-a-Kakula Copper Complex and continue Ivanhoe's distinguished track record of making greenfield discoveries in this uniquely endowed geological terrain.

The Makoko Discovery remains open along an approximate west-east trending strike and there is potential for further resource expansion within the Makoko Exploration Area. High-grade copper mineralization has been outlined along a corridor that is currently approximately 700 metres wide and at least four kilometres in length. The Kiala Discovery remains open to the north, with the potential for parallel mineralized zones to be defined east and west of the current Mineral Resource.

Nique Karaj a Zeng, Geologist, Ivanhoe Mines, holding Kitoko core from hole DD008

To view an enhanced version of this graphic, please visit:
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Table 1: Assay composites at 1% and 2% copper cut-off for Kitoko drill holes received to date.

	1% Cu Cut-off				2% Cu Cut-off					
Hole ID	From (m)	To (m)	Length (m)	True Tk (m)	Cu %	From (m)	To (m)	Length (m)	True Tk (m)	Cu %
DKTK_DD003	1076.90	1080.28	3.37	3.37	3.54	1076.91	1080.28	3.37	3.37	3.54
DKTK_DD004	1071.10	1077.57	6.46	6.43	4.92	1073.00	1077.00	4.00	3.98	6.91
DKTK_DD005	1043.60	1047.00	3.40	3.40	0.71					*
DKTK_DD006	1065.30	1069.49	4.19	4.18	3.60	1065.30	1069.49	4.19	4.18	3.60
DKTK_DD007	1088.53	1095.32	6.79	6.79	3.35	1088.53	1094.68	6.15	6.15	3.52
DKTK_DD008	1134.51	1139.70	5.19	5.19	11.64	1134.51	1137.70	4.22	4.22	13.77
	1117.84	1120.93	3.09	3.09	3.67	1117.84	1120.93	3.09	3.09	3.67
DKTK_DD009	1040.19	1044.00	3.81	3.76	0.97					*
DKTK_DD010	1103.18	1111.00	7.82	7.79	2.52	1105.24	1109.00	3.76	3.74	3.61
DKTK_DD011	1038.86	1043.88	5.02	4.94	2.63	1038.86	1042.57	3.71	3.65	3.04

*Denotes values from the Ivanhoe Mine Exploration Laboratory Niton X-Ray Fluorescent (XRF) instrument

Table 2: Collar location and elevation for Kitoko drill holes.

Note: Collar locations and elevations are based on Ivanhoe Mines's internal DGPS unit, apart from DKTK_DD010 which is based on a handheld GPS.

Hole ID	Easting	Northing	Elevation	Azimuth	Dip
DKTK_DD003	273159.509	8793809.883	1236.639	340	85
DKTK_DD004	271960.324	8793011.512	1253.813	340	85
DKTK_DD005	271916.037	8793202.800	1251.572	340	85
DKTK_DD006	273093.673	8793991.330	1241.017	340	85
DKTK_DD007	272010.553	8792813.869	1256.779	340	85
DKTK_DD008	273205.391	8793607.265	1244.222	340	85
DKTK_DD009	272694.815	8793392.920	1251.959	340	85
DKTK_DD010	272106	8792409	1284	340	85
DKTK_DD011	273045.774	8794185.818	1239.359	340	85

Qualified Persons and Quality Assurance and Control

Disclosures of a scientific or technical nature at the Western Foreland Exploration Project in this news release have been reviewed and approved by Tim Williams, who is considered, by virtue of his education, experience and professional association, a Qualified Person under the terms of NI 43-101. Mr. Williams is not considered independent under NI 43-101 as he is Ivanhoe Mines' Executive Head, Exploration.

Ivanhoe Mines maintains a comprehensive chain of custody and QA/QC program on assays from its Western Foreland Exploration Project. Half-sawn core is processed at the on-site preparation laboratory and prepared samples then are shipped by secure courier to Bureau Veritas Minerals (BVM) Laboratories in Australia, an ISO17025-accredited facility independent of Ivanhoe Mines. Copper assays are determined at BVM by mixed-acid digestion with ICP finish. Industry-standard certified reference materials and blanks are inserted into the sample stream before dispatch to BVM.

Ivanhoe conducts Niton (X-ray fluorescence or XRF) analyses routinely as part of its sample preparation and analysis. Sawn drill core is sampled on nominal 1-metre intervals, and then the sawn core is crushed to nominal 2 mm using jaw crushers. A quarter split (500 grams to 1,000 grams) is pulverized to >90% -75 μm, using LM2 puck and bowl pulverizes. The remaining coarse reject material is retained. A 100-gram split is sent for assay and a 30-gram split is used for XRF analysis. The XRF split is placed in a powder cup, with analysis of the pulp occurring under controlled conditions. Ivanhoe inserts blanks and certified reference materials into the Niton XRF sample stream in the same way it does for its assays, with a 5% insertion rate

for certified reference materials and blanks. Ivanhoe monitors the XRF results for accuracy and precision, and compares the XRF results to the ICP results, although Niton XRF results are used for indicative purposes only.

About Ivanhoe Mines

Ivanhoe Mines is a Canadian mining company focused on advancing its three principal projects in Southern Africa; the expansion of the Kamoa-Kakula Copper Complex in the DRC, the construction of the tier-one Platreef palladium-nickel-platinum-rhodium-copper-gold project in South Africa; and the restart of the historic ultra-high-grade Kipushi zinc-copper-germanium-silver mine, also in the DRC.

Ivanhoe Mines also is exploring for new copper discoveries across its circa 2,400km² of 80-100% owned exploration licences, as well as on the 247km² of newly acquired joint venture licences, in the Western Foreland located adjacent to the Kamoa-Kakula Copper Complex in the DRC.

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Cautionary statement on forward-looking information

Certain statements in this news release constitute "forward-looking statements" or "forward-looking information" within the meaning of applicable securities laws. Such statements and information involve known and unknown risks, uncertainties and other factors that may cause the actual results, performance or achievements of the company, its projects, or industry results, to be materially different from any future results, performance or achievements expressed or implied by such forward-looking statements or information. Such statements can be identified by the use of words such as "may", "would", "could", "will", "intend", "expect", "believe", "plan", "anticipate", "estimate", "scheduled", "forecast", "predict" and other similar terminology, or state that certain actions, events or results "may", "could", "would", "might" or "will" be taken, occur or be achieved. Readers are cautioned not to place undue reliance on forward-looking information or statements. These statements reflect the company's current expectations regarding future events, performance and results and speak only as of the date of this news release.

Such statements include without limitation: (i) statements regarding the company's further exploration and spending commitments in 2024, which are expected to allow the company to increase its interest in the newly acquired joint venture licenses to 60%; (ii) statements regarding the Kamoa-Kakula Copper Complex being the world's greenest and fastest-growing copper producer; (iii) statements that the planned Lobito Rail Corridor to the coastal port of Lobito in Angola could provide strategic advantages in terms of outbound transport and lower carbon emissions; (iv) statements that by year-end 2024, the company expects to have completed more than 166,000 metres of diamond drilling since 2017 over the area comprising the Western Foreland licenses; (v) statements that once the extent of the mineralization system at Kitoko is confirmed, infill resource drilling will begin; (vi) statements that exploration at Western Foreland will continue to test other high-valued targets in conjunction with the continued drilling of Kitoko in 2024 and beyond; and (viii) statements regarding the other planned exploration programs at the Western Foreland area.

Forward-looking statements and information involve significant risks and uncertainties, should not be read as guarantees of future performance or results and will not necessarily be accurate indicators of whether or not

such results will be achieved. A number of factors could cause actual results to differ materially from the results discussed in the forward-looking statements or information, including, but not limited to, the factors discussed under "Risk Factors" and elsewhere in the company's MD&A for the three and nine months ended September 30, 2023, and its Annual Information Form, as well as the inability to obtain regulatory approvals in a timely manner; the potential for unknown or unexpected events to cause contractual conditions to not be satisfied; unexpected changes in laws, rules or regulations, or their enforcement by applicable authorities; the failure of parties to contracts with the company to perform as agreed; social or labour unrest; changes in commodity prices; and the failure of exploration programs or studies to deliver anticipated results or results that would justify and support continued exploration, studies, development or operations.

Although the forward-looking statements contained in this news release are based upon what management of the company believes are reasonable assumptions, the company cannot assure investors that actual results will be consistent with these forward-looking statements. These forward-looking statements are made as of the date of this news release and are expressly qualified in their entirety by this cautionary statement. Subject to applicable securities laws, the company does not assume any obligation to update or revise the forward-looking statements contained herein to reflect events or circumstances occurring after the date of this news release.

The company's actual results could differ materially from those anticipated in these forward-looking statements as a result of the factors set forth in the "Risk Factors" section and elsewhere in the company's MD&A for the three and nine months ended September 30, 2023, and its Annual Information Form.

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