

April 10, 2017

## **Assays confirm Kakula West high-grade copper discovery**

**Kakula West discovery hole DD1124 intersects 5.83% copper over 8.86 metres at a 2.5% cut-off, including a 6.14-metre interval at 6.84% copper**

**Two new step-out holes at Kakula West extend length of copper-rich mineralized system at Kakula by another 800 metres to a total of approximately 11 kilometres**

**14 drill rigs continuing to expand and delineate the Kakula Discovery**

**KOLWEZI, DEMOCRATIC REPUBLIC OF CONGO – Ivanhoe Mines (TSX: IVN; OTCQX: IVPAF) Executive Chairman Robert Friedland and Chief Executive Officer Lars-Eric Johansson announced today that assays received for Kakula West discovery hole DD1124 have verified a high-grade interval of 5.83% copper over 8.86 metres at a 2.5% cut-off, including a 6.17-metre interval of 6.84% copper.**

**The assay results confirm that Kakula West is another high-grade copper discovery on the company's Tier One Kamoia-Kakula copper project in the Democratic Republic of Congo (DRC). The results further reinforce the exceptional continuity of high-grade copper mineralization at Kakula along the strike of the well-mineralized trend. DD1124 was drilled 3.8 kilometres west of the current limit of resource delineation drilling on the central section of Kakula.**

**Mr. Friedland and Mr. Johansson also announced today that two new step-out holes at Kakula West – DD1138 and DD1144, drilled 400 and 800 metres respectively west of hole DD1124 and along the strike of the mineralized trend – also have intersected relatively shallow, Kakula-style, chalcocite-rich copper mineralization.**

**Holes DD1138 and DD1144 have further extended the overall length of the known copper-rich mineralized system at Kakula by another 800 metres, to a total of approximately 11 kilometres. The mineralization encountered in DD1138 and DD1144 is similar to the mineralization intersected in earlier drilling into the high-grade core of the Kakula Discovery, which is approximately 10 kilometres to the east.**

**“We're thrilled with initial drilling results at Kakula West,” said Mr. Friedland.**

**“This area is quickly emerging as a near-surface source of high-grade copper mineralization that could be incorporated into the early years of the Kamoia-Kakula mine plan. Given the associated economic upside of such a scenario, we plan to aggressively delineate the full extent of the mineralization at Kakula West.”**

Highlights of Kakula West drilling to date include:

- Assays show that DD1124 intersected 8.86 metres (true width) of 5.83% copper at a 3.0% copper cut-off, beginning at a downhole depth of 428.70 metres; 8.86 metres (true width) of 5.83% copper at a 2.5% copper cut-off; 16.05 metres (true width) of 4.14% copper at a 2.0% copper cut-off; and 16.05 metres (true width) of 4.14% copper at a 1.0% copper cut-off. DD1124's best six-metre intercept was 6.17 metres (true width) at 6.84% copper. Figure 7 shows a strip log of DD1124 with assay grades and composites. Table 1 shows assay grades for DD1124 at a range of cut-offs.
- DD1138, drilled 400 metres west of DD1124, intersected a zone of moderate-to-strong chalcocite mineralization six to seven metres thick, beginning at a downhole depth of 565.5 metres. Mineralization is hosted in a laminated siltstone horizon, typical of Kakula-style mineralization seen elsewhere at Kakula. The siltstone was separated from the Roan footwall sandstone by a sandy diamictite unit (see geology log and pictures of core in Figure 8).
- DD1144, drilled 800 metres west of DD1124, intersected similar geology and mineralization to DD1138 with approximately ten metres of moderate chalcocite mineralization, including more strongly mineralized zones starting at a downhole depth of 502 metres and hosted in a laminated siltstone unit (see geology log and pictures of core in Figure 9).

Assay results for holes DD1138 and DD1144 are expected in approximately two to three weeks.

The continuing drilling successes mean that the Kakula Discovery has grown to become approximately 6.8 kilometres longer than the deposit's 4.1-kilometre strike length that was used to calculate the initial Kakula resource estimate in October 2016. A new resource estimate for the eastern section of Kakula, covering a strike length of approximately 6.3 kilometres, is expected to be ready in May 2017.

The Kamoia-Kakula Project, a joint venture between Ivanhoe Mines, Zijin Mining and the DRC government, is near the mining centre of Kolwezi on the Central African Copperbelt in the DRC.

**14 drill rigs rapidly expanding the Kakula Discovery; testing to begin soon on high-priority satellite drill targets**

Fourteen rigs are drilling at Kakula. Three rigs are extending the Kakula West discovery area; one is working in the far southeastern area of Kakula; six are extending resources at the northwestern extent of the inferred resource area; two are drilling infill holes close to the centre of Kakula; and two are drilling wedge holes for metallurgical testwork in the Kakula Indicated Resource area (see figures 1 and 2). More than 69,000 metres have been drilled at Kakula since May 2016. The Kakula Discovery remains open along a westerly-southeasterly strike (see Figure 2).

Mr. Friedland said that rigs will be reallocated to Kakula West and other high-priority exploration targets elsewhere on the approximately 400-square-kilometre Kamoia-Kakula

**Project once the resource delineation drilling is completed at the eastern section of the Kakula Deposit.**

**“With the approaching onset of the dry season in the DRC, we also will have the ability to move the rigs to exploration targets that were not accessible during the rainy season. We believe there is excellent geological potential to make other Kakula-type discoveries in the area,” he added.**

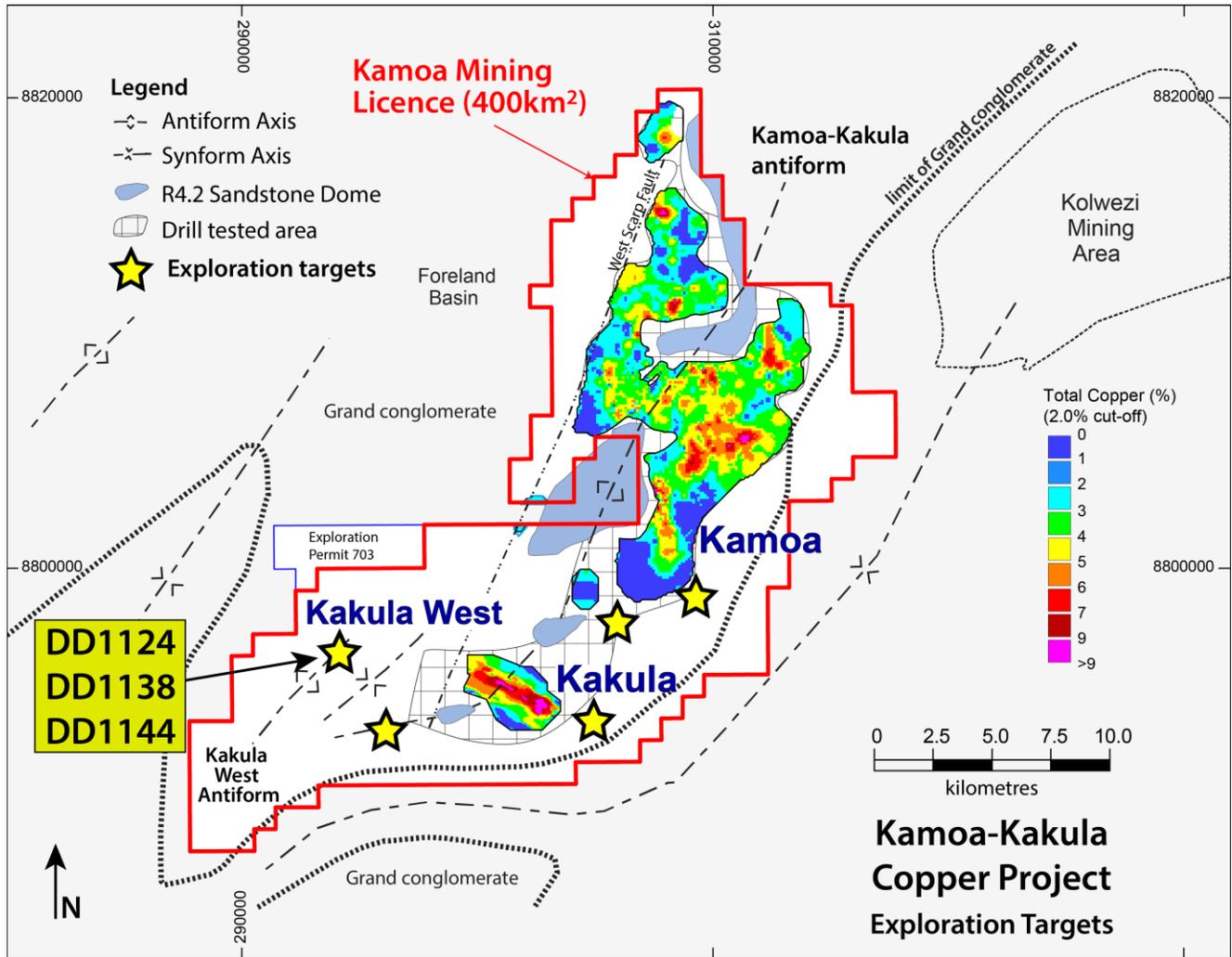
### **Strategic discussions continuing with potential partners**

**Mr. Friedland also noted that strategic discussions concerning Ivanhoe Mines and its projects are continuing with several significant mining companies and investors across Asia, Europe, Africa and elsewhere. Several investors that have expressed interest have no material limit on the provision of capital. There can be no assurance that the company will pursue any transaction or that a transaction, if pursued, will be completed.**

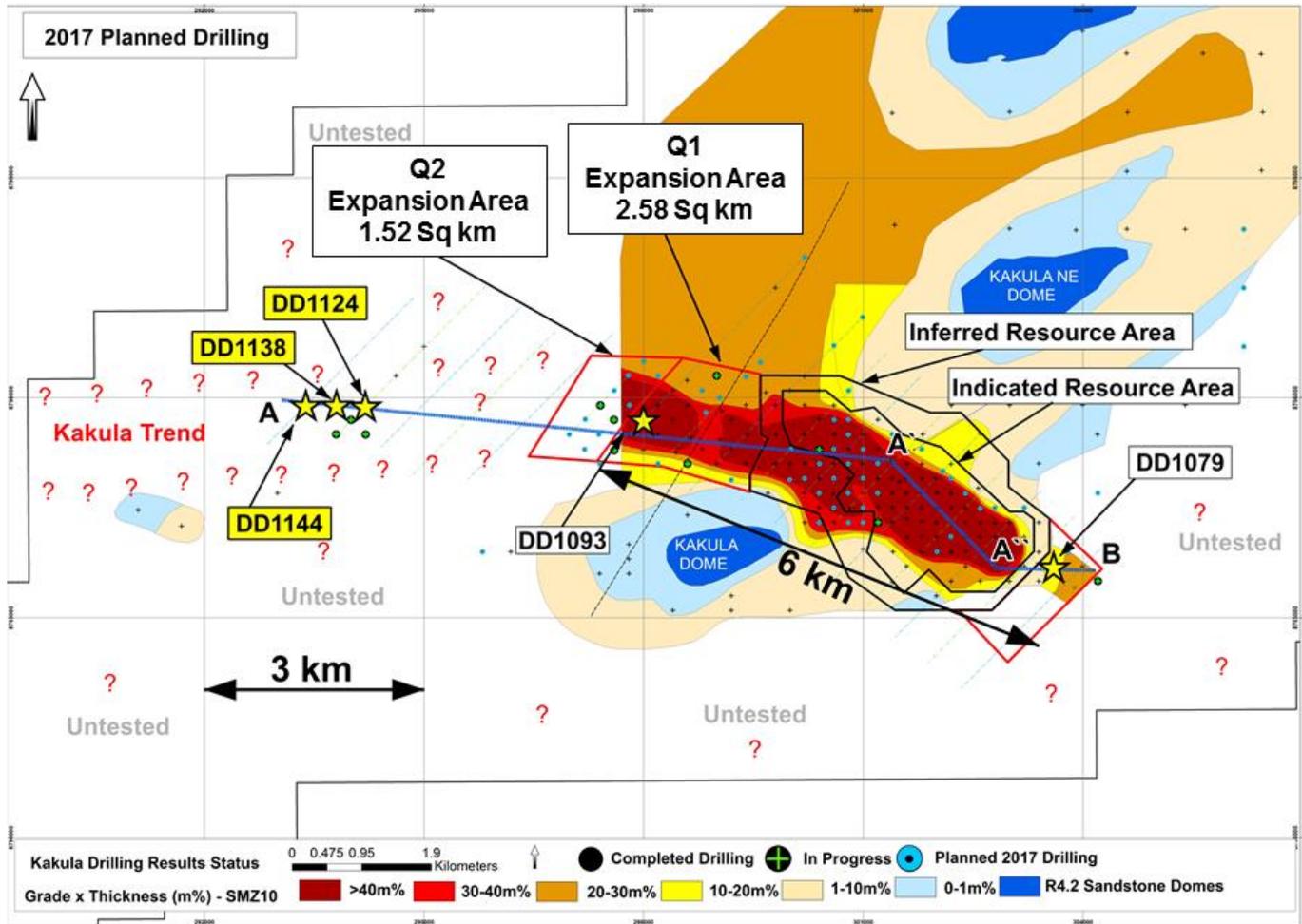
**Given the substantial increase in investor interest following the remarkable growth of the Kakula Discovery, the company has increased the frequency of organized visits for investors and banking analysts to its three mine development projects, including the massive exploration program at Kakula.**

**Mr. Johansson said it is important for analysts and investors to gain a first-hand understanding of the progress being made at all of Ivanhoe’s projects and the scale of the Kakula Discovery. A group of analysts completed a visit last week; the next scheduled visit to the sites is May 18 to 21. Ivanhoe and Zijin Mining will host a one-day tour of the Kamo-a-Kakula Project on June 22 for some of the delegates to the DRC Mining Conference in Lubumbashi.**

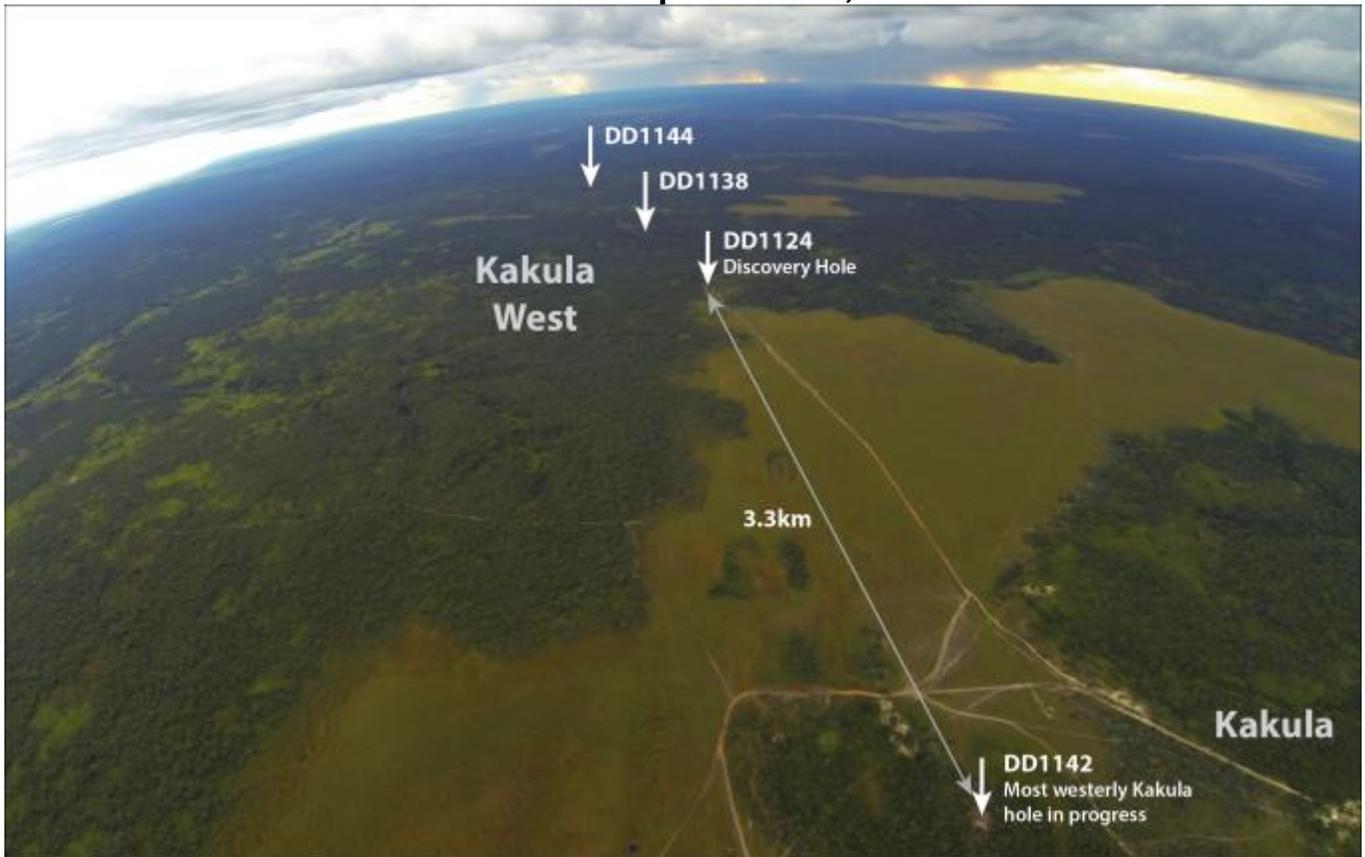
**Figure 1. Kamoia-Kakula mining licence, showing copper grade of Indicated and Inferred Resources at a 2% copper cut-off, untested areas, current target areas and location of Kakula West Discovery.**



**Figure 2. Drilling map of the Kakula Discovery, showing locations of discovery hole DD1124 at Kakula West, more than three kilometres away from the western-most Kakula resource hole, and the two new 400-metre step-out holes, DD1138 and DD1144.**



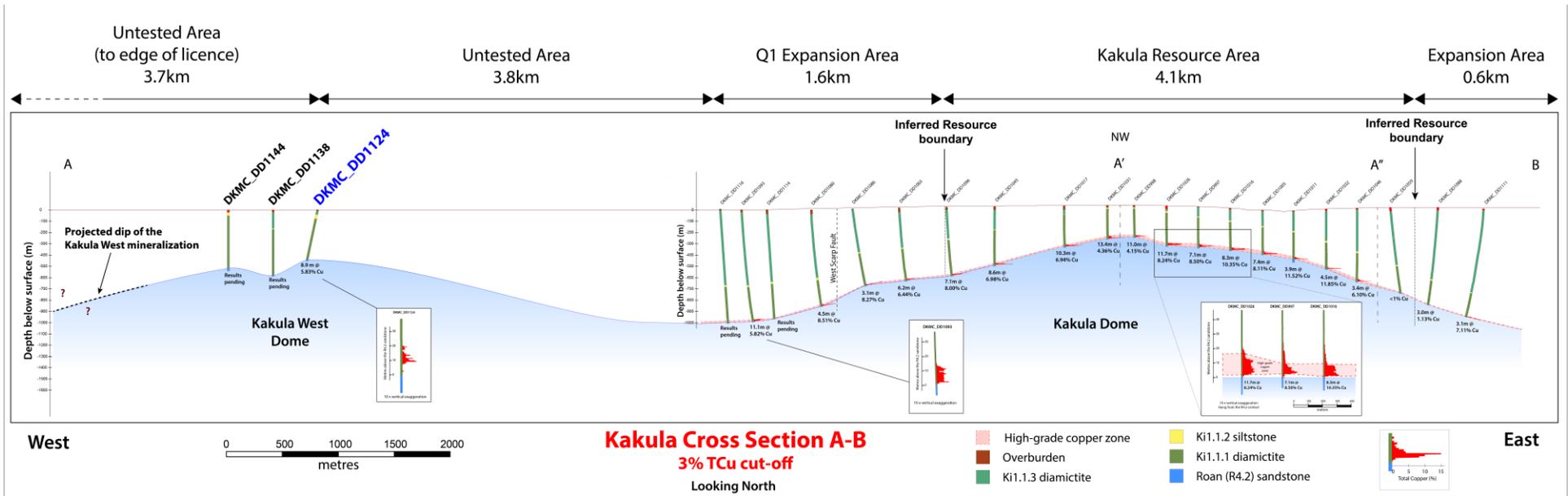
**Figure 3. View to west from above the current northwestern limit of the Kakula Discovery, showing locations of discovery hole DD1124 at Kakula West and the two new 400-metre step-out holes, DD1138 and DD1144.**



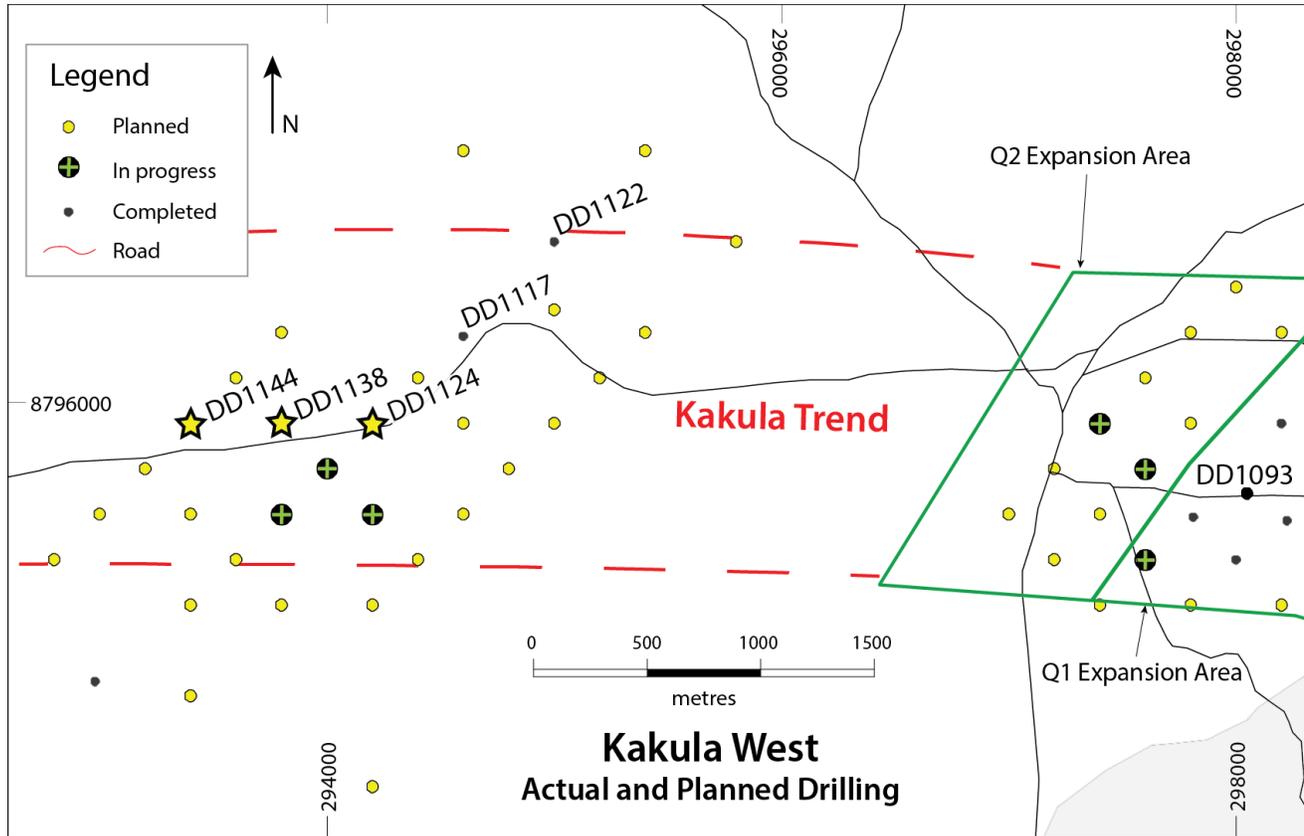
**Figure 4. View to west, showing two drilling rigs at the Kakula Discovery.**



**Figure 5. Section along the axis on the Kakula Deposit on the section A - A' - A'' - B showing drilling completed to date and composites at a 3.0% copper cut-off.**



**Figure 6. Kakula West drilling map showing completed and planned holes, including discovery hole DD1124 and step-out holes DD1138 and DD1144.**



Exploration drilling is ongoing over a wide area at Kakula West to establish the geometry of the well-mineralized zone. Assays were received for a second hole, DD1117, drilled 500 metres northeast of DD1124. DD1117 intersected 2.94 metres (true width) of 2.95% copper, at a 3.0% cut-off, from a downhole depth of 491.18 metres, and 3.61 metres of 2.60% copper, at a 1.0% cut-off. This hole may define the northern edge of the strong copper mineralization as it trends west-southwest, although it is important that mineralization in DD1117 is associated with a 17-metre thick siltstone unit, suggesting the prospectivity of this northern zone remains high.

Figure 7. Strip-log of drill hole DD1124 showing high-grade copper assays and a typical Kakula-style mineralization profile.

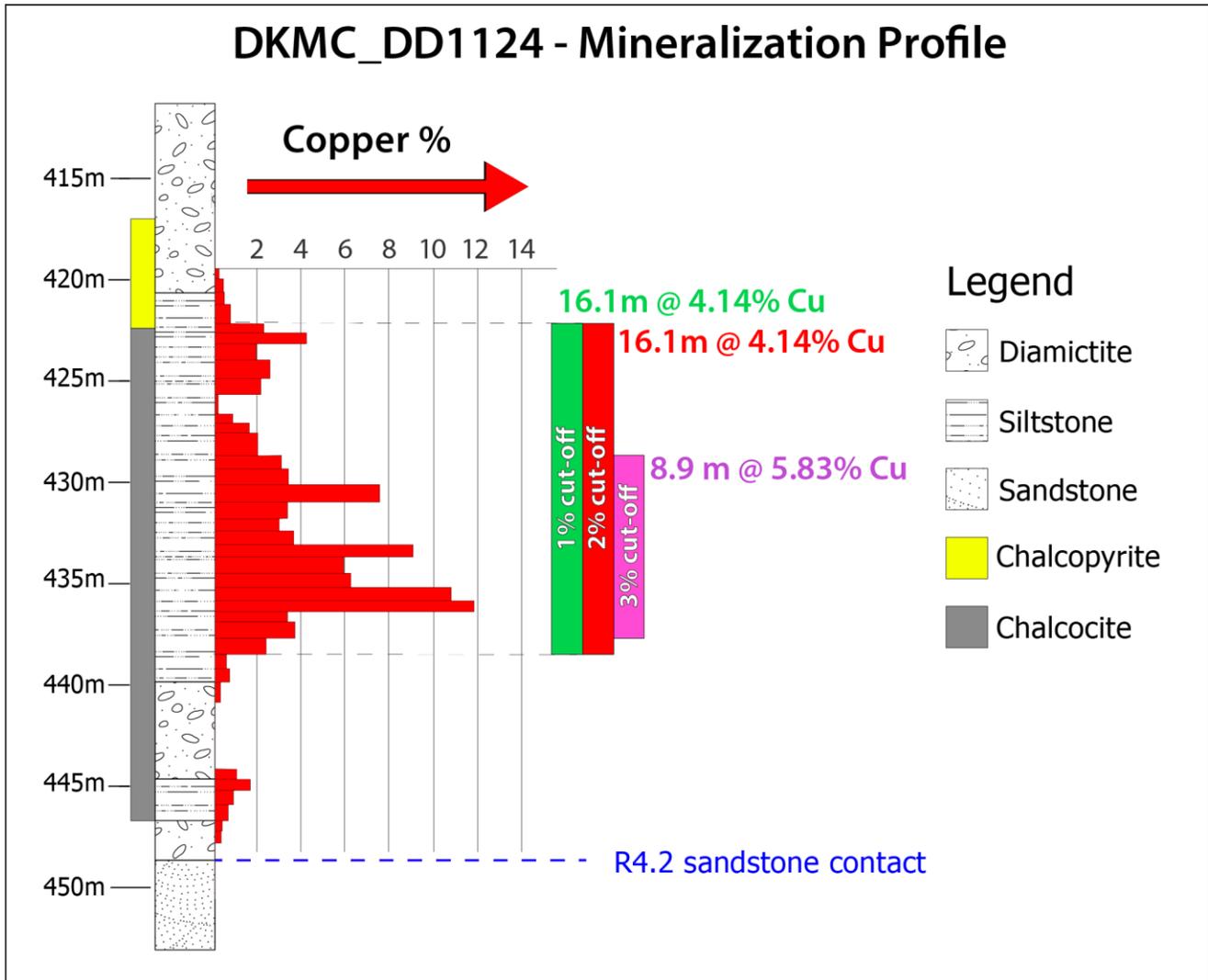
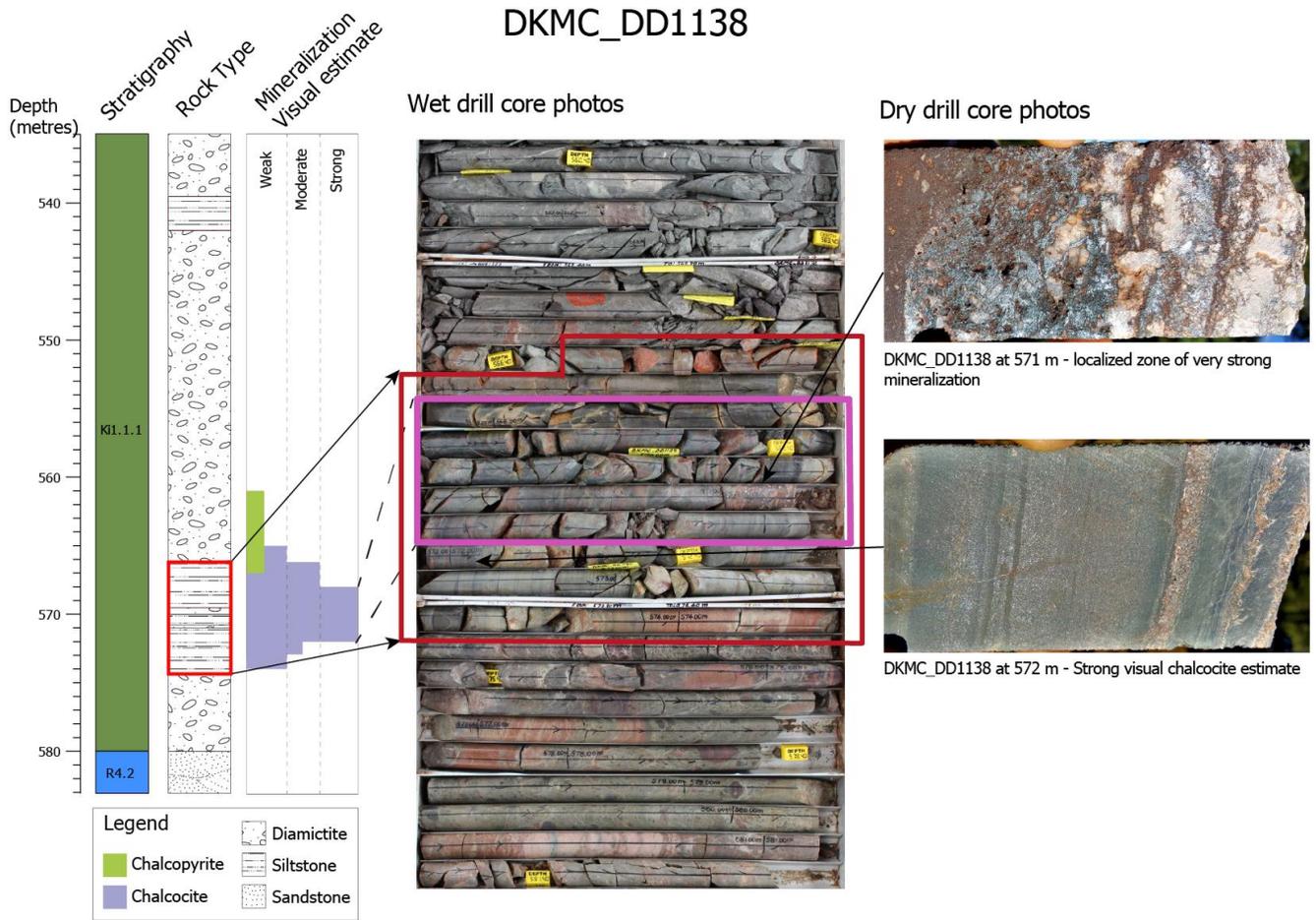
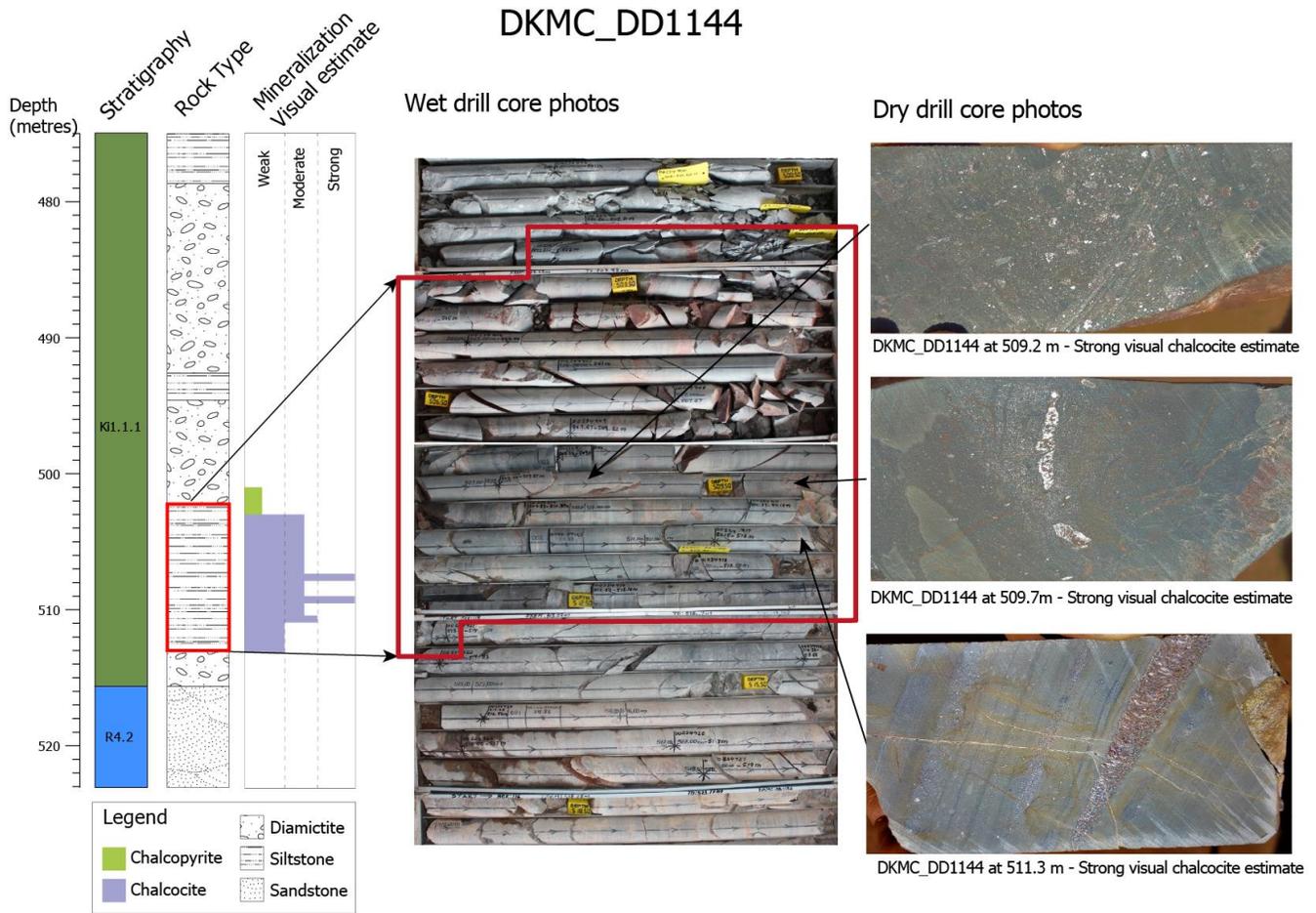


Figure 8. Strip-log of hole DD1138, showing a typical Kakula-style mineralization profile, and pictures of chalcocite-rich drill core.



**Figure 9. Strip-log of hole DD1144, showing a typical Kakula-style mineralization profile, and pictures of chalcocite-rich drill core.**



**Table 1. Assay results received for Kakula West drill holes to April 7, 2017.**

Drill Hole ID	1.0 % cut-off				
	From	To	Length (m)	True Width (m)	Copper Grade (%)
DKMC_DD1117	490.50	494.17	3.67	3.61	2.60
DKMC_DD1124	422.20	438.50	16.30	16.05	4.14

Drill Hole ID	2.5% cut-off				
	From	To	Length (m)	True Width (m)	Copper Grade (%)
DKMC_DD1117	491.18	494.17	2.99	2.94	2.95
DKMC_DD1124	428.70	437.70	9.00	8.86	6.18

Drill Hole ID	2.0% cut-off				
	From	To	Length (m)	True Width (m)	Copper Grade (%)
DKMC_DD1117	491.18	494.17	2.99	2.94	2.95
DKMC_DD1124	422.20	438.50	16.30	16.05	4.14

Drill Hole ID	3% Cut-off				
	From	To	Length (m)	True Width (m)	Copper Grade (%)
DKMC_DD1117	491.18	494.17	2.99	2.94	2.95
DKMC_DD1124	428.70	437.70	9.00	8.86	5.83

**Table 2. Collars for Kakula West drill holes completed to April 7, 2017.**

	Hole ID	Easting	Northing	Elevation	BRG	Dip	Status
*	DKMC_DD1117	294587	8796302	1370	146	-88	Assays Returned
*	DKMC_DD1124	294198	8796003	1368	184	-78	Assays Returned
*	DKMC_DD1138	293802	8795899	1362	180	-90	Pending
*	DKMC_DD1144	293402	8795901	1354	180	-90	Pending

\* Hand held GPS collars survey

### Qualified Person and Quality Control and Assurance

The scientific and technical information in this release has been reviewed and approved by Stephen Torr, P.Geo., Ivanhoe Mines' Vice President, Project Geology and Evaluation, and a Qualified Person under the terms of National Instrument 43-101. Mr. Torr has verified the technical data disclosed in this news release.

Ivanhoe Mines maintains a comprehensive chain of custody and QA-QC program on assays from its Kamo-a-Kakula Project. Half-sawn core is processed at Kamo-a-Kakula's 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. 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 prior to dispatch to BVM. For detailed information about assay methods and data verification measures used to support the scientific and technical information, please refer to the January 20, 2017 technical report on the Kamo-a-Kakula Project titled "Kakula 2016 Preliminary Economic Assessment" on the SEDAR profile of Ivanhoe Mines at [www.sedar.com](http://www.sedar.com) and on the Ivanhoe Mines website at [www.ivanhoemines.com](http://www.ivanhoemines.com).

### About Ivanhoe Mines

Ivanhoe Mines is advancing its three principal projects in Sub-Saharan Africa: Mine development at the [Platreef](#) platinum-palladium-gold-nickel-copper discovery on the Northern Limb of South Africa's Bushveld Complex; mine development and exploration at the [Kamo-a-Kakula](#) copper project on the Central African Copperbelt in the DRC; and upgrading at the historic, high-grade [Kipushi](#) zinc-copper-silver-germanium mine, also on the DRC's Copperbelt. For details, visit [www.ivanhoemines.com](http://www.ivanhoemines.com).

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### **Cautionary statement on forward-looking information**

Certain statements in this release constitute “forward-looking statements” or “forward-looking information” within the meaning of applicable securities laws, including without limitation, the timing and results of: (1) statements regarding a new resource estimate for the eastern section of Kakula is expected to be ready in May 2017; (2) statements regarding expectations that Kakula West is quickly emerging as a near-surface source of high-grade copper mineralization that might be incorporated into the early years of the Kamo-Kakula mine plan; (3) statements regarding Ivanhoe’s plans to aggressively delineate the full extent of the mineralization at Kakula West; (4) statements regarding plans to soon begin testing high-priority satellite drill targets; (5) statements regarding Ivanhoe’s belief that there is excellent geological potential to make other Kakula-type discoveries in the Kamo-Kakula Project area; and (6) statements regarding ongoing strategic discussions concerning Ivanhoe Mines and its projects with several significant mining companies and investors across Asia, Europe, Africa and elsewhere.

Such statements involve known and unknown risks, uncertainties and other factors which may cause the actual results, performance or achievements of the company, 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. These statements reflect the company’s current expectations regarding future events, performance and results and speak only as of the date of this release.

All such forward-looking information and statements are based on certain assumptions and analyses made by Ivanhoe Mines’ management in light of their experience and perception of historical trends, current conditions and expected future developments, as well as other factors management believe are appropriate in the circumstances. These statements, however, are subject to a variety of risks and uncertainties and other factors that could cause actual events or results to differ materially from those projected in the forward-looking information or statements including, but not limited to, unexpected changes in laws, rules or regulations, or their enforcement by applicable authorities; the failure of parties to contracts to perform as agreed; social or labour unrest; changes in commodity prices; unexpected failure or inadequacy of infrastructure, or delays in the development of infrastructure, and the failure of exploration programs or other studies to deliver anticipated results or results that would justify and support continued studies, development or operations. Other important factors that could cause actual results to differ from these forward-looking statements also include those described under the heading “Risk Factors” in the company’s most recently filed MD&A as well as in the most recent Annual Information Form filed by Ivanhoe Mines. Readers are cautioned not to place undue reliance on forward-looking information or statements. The factors and assumptions used to develop the forward-looking information and statements, and the risks that could cause the actual results to differ materially are set forth in the “Risk Factors” section and elsewhere in the company’s most recent Management’s Discussion and Analysis report and Annual Information Form, available at [www.sedar.com](http://www.sedar.com).

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.