



From left to right: Manfu Ma, Vice President, CITIC Metal Group Limited; Yufeng “Miles” Sun, President, CITIC Metal Group Limited and Co-Chairman, Ivanhoe Mines; Xianwen Wu, Chairman, CITIC Metal Co., Ltd.; Robert Friedland, Executive Co-Chairman, Ivanhoe Mines; and Peter Zhou, Vice President, Chief Representative China, Ivanhoe Mines.

August 16, 2019: Ivanhoe Mines completes strategic equity investment of C\$612 million (US\$459 million) from China-based CITIC Metal. Additional C\$67 million (US\$50 million) received from Zijin Mining through the exercise of its anti-dilution rights. Click [here](#) to read the news release.

Building what will be **3 of the world's best mines** and exploring for the **next copper giant** in Southern Africa's legendary mineral fields

WESTERN FORELAND

Copper exploration
Democratic Republic of Congo's
Central African Copperbelt

KAMOA-KAKULA

Copper mine development
and exploration
Democratic Republic of Congo's
Central African Copperbelt

PLATREEF

Mine development at
platinum-group elements, gold,
nickel and copper discovery
South Africa's
Bushveld Complex

KIPUSHI

Zinc, copper, silver
and germanium at historic,
high-grade mine
Democratic Republic of Congo's
Central African Copperbelt



In August, the Kamoa-Kakula Copper Project continued its remarkable safety record, celebrating 16 million lost-time-injury-free hours.

Mine geologist Micheline Kyenge sampling the high-grade copper ore at the face of one of the development tunnels at the Kakula Mine.



Mine geologists Paul Arscott and Micheline Kyenge at the face of one of the development drifts at the Kakula Mine, highlighting the massive size of the underground workings, ideal for large-scale mechanized mining operations.



Surface preparation for the Kakula processing plant is advancing rapidly. The nearby main northern declines providing access to the Kakula Mine are circled in red.





Workers constructing the concrete foundations at the head-end of the conveyor system that will transport ore from Kakula's underground workings to the surface processing plant.

Kakula's southern ventilation decline looking north toward Kakula's main northern declines and the processing plant site (circled in yellow), a distance of approximately four kilometres.





Overhead view of Kakula's new ventilation shaft 1 with the high-capacity fans and ventilation system being installed.



Installing high-capacity fans at Kakula's first ventilation shaft that will supply fresh air from surface to the northern side of the underground Kakula orebody.



Drilling the piling hole for the third ventilation shaft at Kakula, which will provide additional air flow from surface to the underground workings.



Above: Panorama of the new highway being constructed between Kamoa-Kakula and the Kolwezi airport, showing installation of one of the new culverts.

Right: Geotechnical engineers performing a compaction test on the new highway, which will provide Kamoa-Kakula with important new transportation connections for shipping construction materials and copper concentrates.



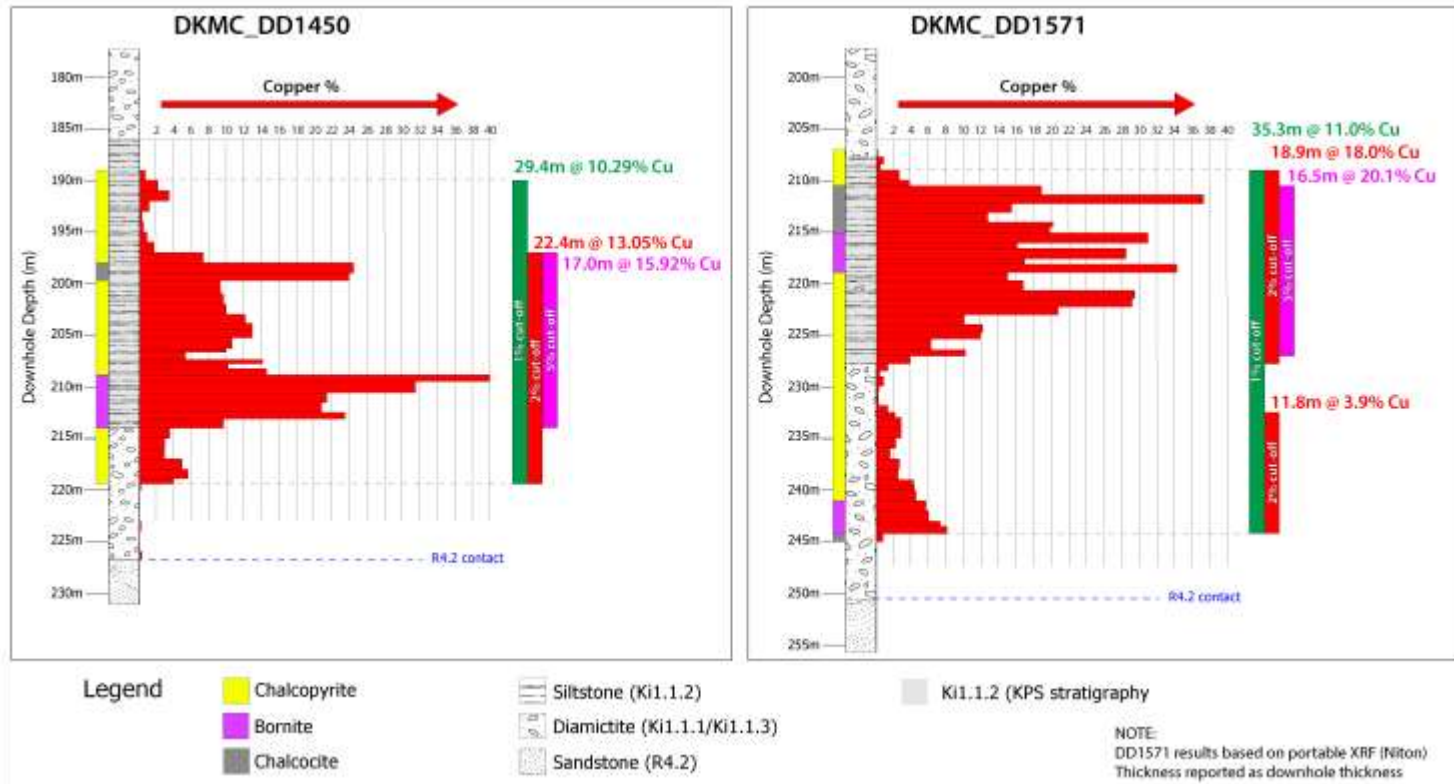


August 18, 2019: Drilling hits the highest-grade intersection ever drilled at the Kamoakakula Project, with an estimated grade of 18.0% copper over 18.86 metres, at a 2% cut off. Click [here](#) to read the news release.

Frank Twite, Senior Geologist (center, white shirt), and members of the Kamoakakula geology team highlighting an intersection of **37.7% copper** in drill core from hole DD1571.



Mineralization Profiles



Copper grade profiles of holes **DD1450** (the discovery hole at the Kamoa North Bonanza Zone, above left) and **DD1571** (the new hole announced earlier this month, above right), showing dominant copper sulphide, copper assay values and composite grades at 1%, 2% and 5% copper cut-offs. Core samples from hole **DD1571** on the left, with grades up to **37.7% copper**.

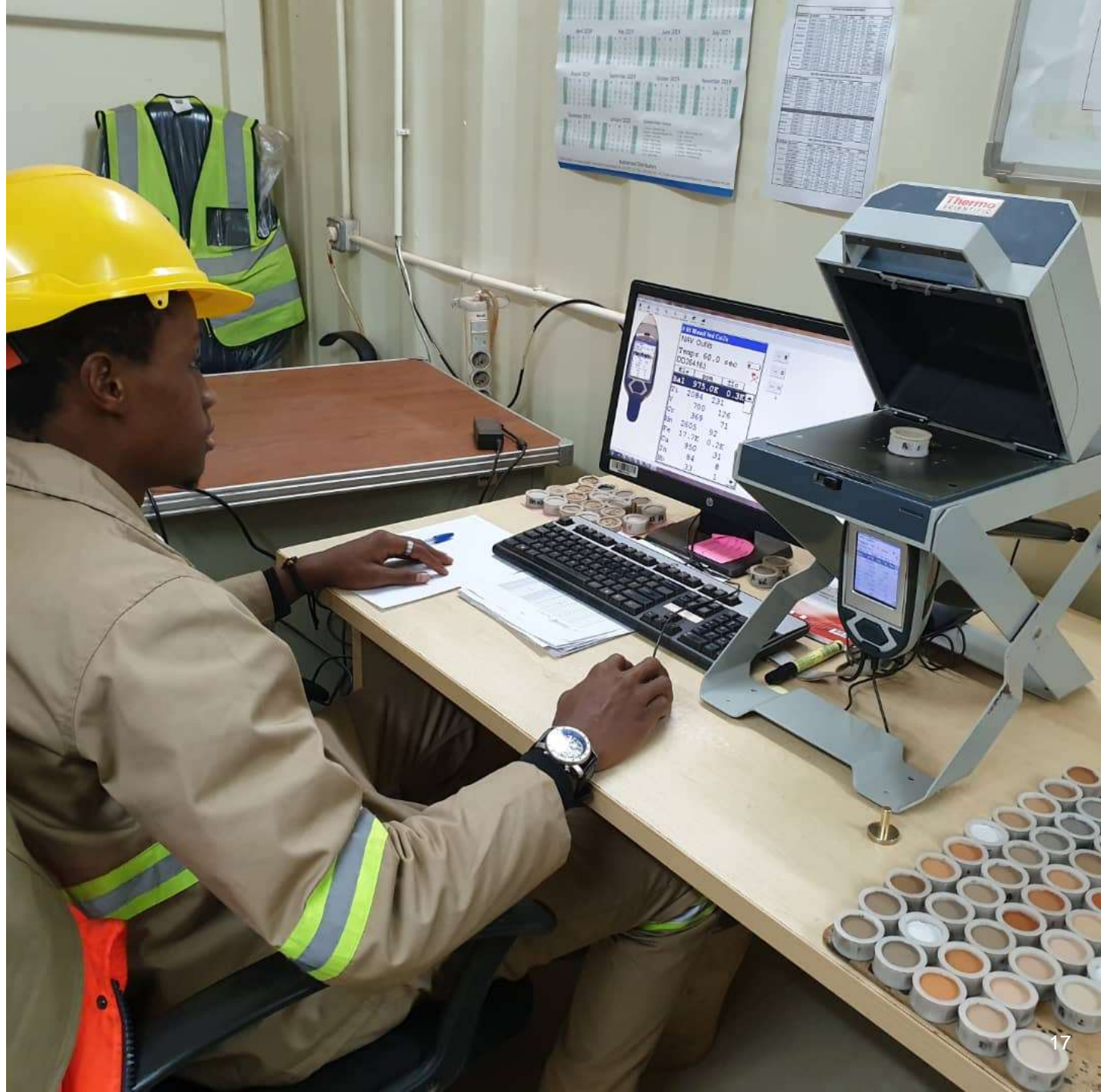
One of six drill rigs defining or extending the limits of the Kamoa North Bonanza Zone, which has an implied strike length of 2.72 kilometres.





Kamoa-Kakula geologist Hongbing Li logging newly drilled core from the Kamoa North Bonanza Zone.

A member of the Kamoa-Kakula team analyzing samples from drill core in the Kamoa assay facility.





Ground work being completed for expansion of the new Kansoko mining training centre at Kamoa-Kakula. Ivanhoe is working with partners Zijin Mining and the DRC government to deliver jobs and skills training to a new generation of Congolese men and women.



Landscaping at the new Kamoa housing complex that will accommodate employees and contractors. More than 3,000 employees, contractors and service providers now are working at the Kamoa-Kakula Project.



Removing blasted rock at Shaft 1 from ongoing shaft-sinking operations. The bottom of the shaft currently is at 942.6 metres below surface and the next station development will be at a depth of 950 metres.



Stockpiling blasted rock from ongoing shaft-sinking operations at Platreef.



Members of Platreef's engineering team discussing development plans for Shaft 1's final station at a depth of 950 metres below surface.



Miners inserting a steel rock bolt into the sidewall of Shaft 1. Completion of Shaft 1 to a final depth of 982 metres below surface is planned for the first half of 2020.



Ephraim Ngwepe performing maintenance on a submersible water pump at Shaft 1.



Lesiba Hlokota, Johannes Manala and Piet Monyeki (from left to right) performing maintenance on a water pump at Shaft 1.



Sello Kubayi constructing a chemical storage facility at the Platreef Project.



Geotechnical trainee Johannes Nkhoma conducting a weekly inspection on the five-metre bench of the Shaft 2 box cut.



Motshitshi primary school students playing one of the games donated by Ivanplats.



High school students and community members listening to a speaker during the Ivanplats-sponsored drug and substance abuse campaign.



Underground development crew members drilling through a concrete wall to construct a truck turning bay at the primary rock crusher on Kipushi's 1,150-metre level.



Mulambe Kafwimbi (right) and members of DRC contractor Tech-Edge installing brakes calipers on Kipushi's new Shaft 2 winder.



Workers installing an overflow water pipe from an underground dam on the 1,175-metre level.



A welder working on the steel frame for a concrete ventilation seal being constructed at Kipushi's 1,214-metre level.



Kipushi's newly installed 85,000-pound capacity overhead crane at the 850-metre level.



Upgrading work on a school at the nearby community of Mungoti is continuing. The project, being funded by the Kipushi Mine, is approximately 70% complete.