



**Félix Tshisekedi**

President of the  
Democratic Republic of Congo

On March 16, an Ivanhoe Mines delegation led by company director and former President of South Africa, Kgalema Motlanthe, held a very productive meeting with new President of the Democratic Republic of Congo, Félix Tshisekedi. Click [here](#) to view a short video and interview from the meeting.

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

### PLATREEF

Mine projected to be  
**Africa's lowest-cost producer**  
of platinum-group metals,  
plus nickel, copper & gold  
Northern Limb of South Africa's  
Bushveld Complex

### KAMOA-KAKULA

Initial development  
of two mining areas  
on **world's 4<sup>th</sup>-largest**  
copper discovery

**D.R. Congo's Copperbelt**

### KIPUSHI

**Ultra-high-grade** historic  
mine being upgraded to  
produce zinc, copper, silver,  
germanium & lead

**D.R. Congo's Copperbelt**



**Kamoia-Kakula, DRC**

View of Kamoia Copper’s camp and offices, looking east toward Kolwezi.





**Kamoa-Kakula – Kakula Mine**

View of the Kakula Mine, looking south. Kakula's main box cut and northern twin declines are in the front centre of the photo.





## Kamoja-Kakula

Earlier this month, Kamoja-Kakula's employees and contractors celebrated another outstanding milestone, logging more than 13 million hours without any lost-time injuries. Their success is testament to the safety-focused culture that is a foundation of the conduct of the project's mine development and exploration activities.





## Kamoa-Kakula

Surveying on the new 20-kilometre bypass road linking the Kamoa-Kakula Project to the Kolwezi airport, located approximately six kilometres south of Kolwezi. When completed, this new road will significantly improve the transportation corridor between Kolwezi and Kamoa-Kakula.





Drilling and blasting now have commenced on Kakula's third decline tunnel to provide access and ventilation to the southern side of the underground high-grade Kakula Deposit.





## Kamoa-Kakula – Kakula Mine

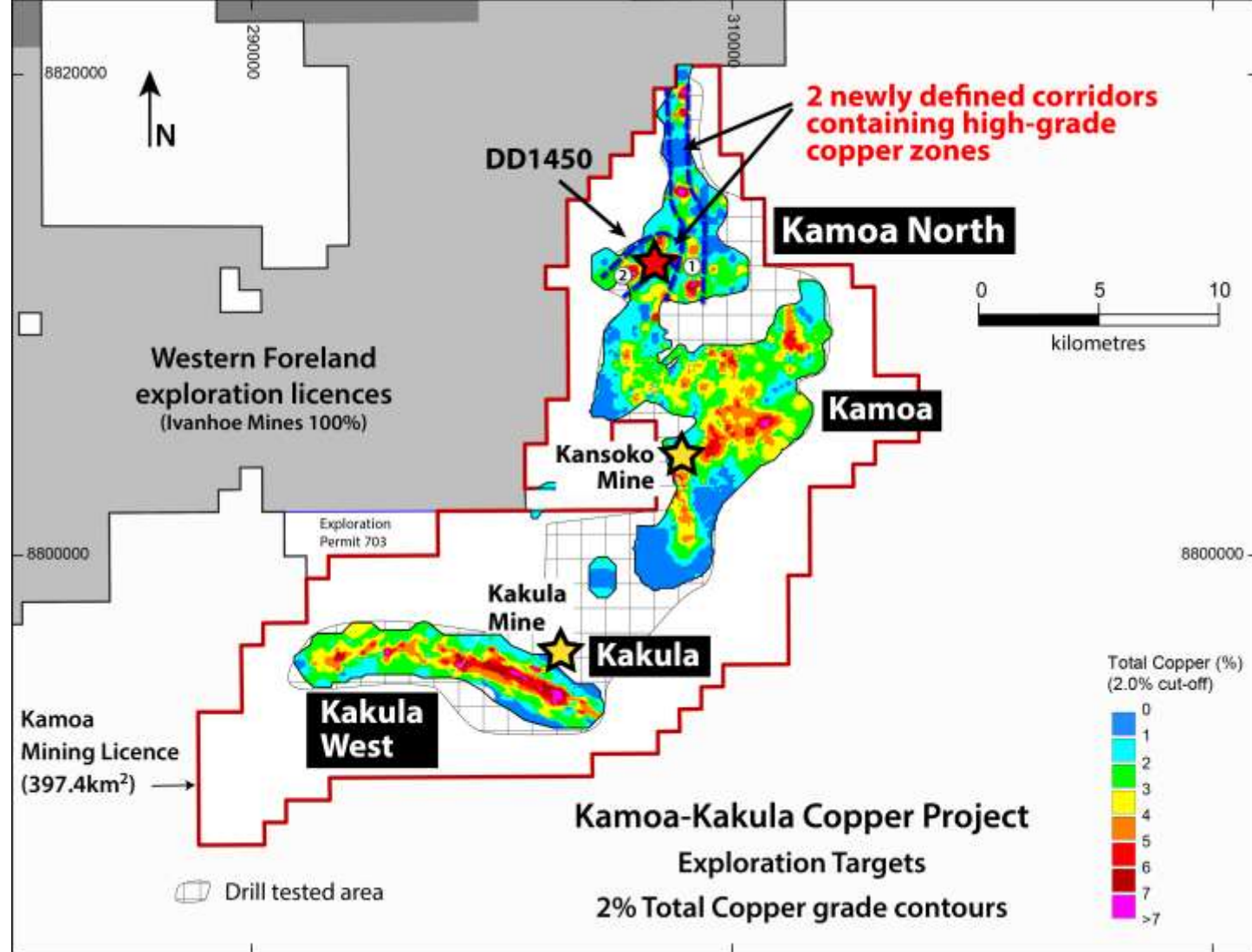
Drilling holes for the 150-metre ventilation shaft at Kakula's main (northern) declines.





## Kamoa-Kakula – Kakula Mine

Preparing detonators for a blast at the ventilation shaft at Kakula's main declines. Construction of the vertical ventilation shaft is scheduled for completion in June and will provide fresh air from surface to Kakula's underground mine workings.



# Kamoa-Kakula

Kamoa-Kakula mining licence, showing drill hole DD1450, the Kamoa North Exploration Area, the Kamoa and Kakula mining areas, and the adjacent, 100%-owned Western Foreland exploration-licence area.





View of recent drilling activity at one of the high-grade exploration targets at Kamoakakula North – the area of the near-surface, ultra-high-grade copper mineralization intersected by hole DD1450 — **22.3 metres of 13.05% copper** at a 2% copper cut-off grade.

One rig currently is drilling from a pad in the bottom right of the photo.





## Kamoa-Kakula

One of two rigs currently drilling in the Kamoa North area. One rig is pursuing extensions of high-grade mineralization intersected in the far northern region of the Kamoa-Kakula mining licence, while the other rig is targeting extensions of the ultra-high-grade copper intersected in drill hole DD1450.





A bornite-rich drill intersection at Kamo North. Bornite ( $\text{Cu}_5\text{FeS}_4$ ) is a purple-coloured, copper sulphide mineral that is approximately 63% copper by mass.





Kamo Copper technicians Mbuya and Mashata logging high-grade core from recent Kamo North drilling.





View of the ongoing upgrading work at the 71-megawatt Mwadingusha hydro power station – a public-private partnership in conjunction with the DRC's state-owned power company, La Société Nationale d'Electricité – to secure sustainable, clean electricity for the Congolese people and for the Kamoa-Kakula Project.





16





A farmer inspecting newly-planted pineapples at the Mupenda community garden near the Kamoa-Kakula Project. The garden is part of the Kamoa Copper Sustainable Livelihoods Program, and helps provide local community members with high quality, locally-grown food and a source of additional income.





## Western Foreland, DRC

Drilling is continuing at the Makoko Discovery on Ivanhoe's 100%-owned Western Foreland exploration licences. Ivanhoe's DRC exploration group is targeting Kamo-Kakula-style copper mineralization.





## Platreef, South Africa

Ongoing development work at Shaft 1's 850-metre-level mine access station, showing the northern top-cut excavation.



**Platreef**

Final tensioning and grouting of 6.5-metre anchor bolts in the brow of the 850-metre-level station on Shaft 1.





Spraying shotcrete over 6.5-metre anchor bolts and wire mesh to reinforce the brow at Shaft 1's 850-metre-level mine access station.



Ongoing construction of the foundation that will support Shaft 2's 103-metre-tall concrete headframe.





Contract employees from Gauteng, South Africa-based Terra Strata celebrating the completion of drilling for the steel pins (spiles) at the bottom of the concrete foundation that will support Shaft 2's headframe.





In conjunction with DRA Projects SA of Johannesburg, South Africa, Ivanplats helped distribute new laptop computers to local business owners at the recent Business People with Disability Forum.

From right to left: JC Heslinga, Senior VP of DRA, Tiki Thupana, a local businessman, and Blessed Manyeke, Ivanplats' Education for Sustainable Development (ESD) Project Administrator.





## Kipushi, DRC

Construction of the rock load-out facility on Kipushi's 1,150-metre level. Ore from the Big Zinc Deposit will be unloaded here, for crushing and hoisting to surface.





**Kipushi**

Kico employees preparing one of the underground load-haul-dump (LHD) loaders for mining operations to commence.





## Kipushi

Kipushi's 500-metre level cleaned and ready for operations to commence.





**Kipushi**

New electrical panels installed underground at Kipushi.





## Kipushi

Overhead view of Kipushi's new Sandvik jaw crusher, capable of crushing up to 1,085 tonnes of ore an hour.





## Kipushi

Modern, new control room at Kipushi's Shaft 5, featuring three new control desks – one each for the rock hoist winder, personnel winder and service winder.





Kamoa-Kakula geologists Micheline Kyenge and Paul Arscott at Ivanhoe Mines' booth at the Prospectors & Developers Association of Canada (PDAC) convention in Toronto, Canada on March 4, 2019.

The annual PDAC convention is the world's premier international event for the minerals and mining industry. It has attracted more than 25,000 people from 135 countries in recent years.

Toronto, Canada