

# AFR Drills 91.8 Metres of 1.2%Cu and 0.5%Co and 53.8 Metres of 1.8%Cu and 0.3%Co in Combined Recalculated Reverse Circulation and Diamond Core Drill Holes at its Luisha South Project

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- THE MINERALIZATION IS CURRENTLY OPEN AT DEPTH, TO THE SOUTH, AND TO THE SOUTHEAST, FURTHER STEP OUT DRILLING IS PLANNED

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African Metals Corporation ('AFR') is pleased to report that it has received final assay results from a further 9 drill holes from 22 diamond drill holes completed on its' Luisha South Project, in the Katanga Province of the Democratic Republic of Congo.

These results confirm the continuity and grade of mineralization identified by the June 2010 Reverse Circulation (RC) drilling program, and lend further, significant support to a potential upgrade to the resource model with potential for a higher grade copper core.

## HIGHLIGHTS

New Diamond Core Results Include:

- 51 metres at 1.6% copper, 0.3% cobalt from 105m (LURD006)  
Including 4 metres at 4.2% copper, 0.4% cobalt from 111m
- 42 metres at 1.3% copper, 0.3% cobalt from 107m (LURD007)
- 30.5 metres at 1.3% copper, 0.4% cobalt from 124.5m (LURD008)  
Including 1 metres at 5.1% copper, 2.8% cobalt from 130m.

Recalculated Combined RC and Diamond Core Results Include:

- 53.8 metres at 1.8% copper, 0.3% cobalt from 68m (LURC/RD002)
- 91.8 metres at 1.2% copper, 0.5% cobalt from 107m (LURC/RD003)
- 49.5 metres at 1.6% copper, 0.3% cobalt from 105m (LURD006)

Luisha South Diamond Drilling

Rubaco Sprl and DrillTek Sprl, drilling contractors, combined to complete a total of 1,538.73 metres of diamond core drilling of 22 holes at the Luisha South Project in January 2011. The holes targeted the down dip and southeast extensions of mineralization highlighted by the March 2010 geochemical sampling program and the June 2010 RC drilling program.

The RC drill program enabled a JORC and NI43-101F compliant resource estimation of the Luisha pit mineralization, resulting in an Inferred Resource of 5.8 million tonnes at 1.3% copper, and 0.4% cobalt for 75,400 tonnes of contained copper metal and 23,200 tonnes of contained cobalt metal (using 0.5% copper cut-off). Some of the holes from the initial RC program, however, either terminated within, or short of copper and cobalt mineralized horizons, producing interpolation gaps in the resource block model. The diamond holes in the recently completed program were designed to infill the gaps and further define the extents of the mineralization.

The reported analytical results are from nine holes cored as diamond tails to RC pre-collars drilled on the southern and southeastern side of the open pit (Figure 1). To see a map, please click here:  
[http://files.newswire.ca/138/AFR\\_Figure\\_1.pdf](http://files.newswire.ca/138/AFR_Figure_1.pdf)

Eight of the nine holes intersected additional intervals of copper and cobalt mineralization beneath the termination depths of the RC pre-collars. The mineralization is mainly chalcopyrite and carrollite, with locally trace occurrences of malachite and heterogenite (non-sulphide copper and cobalt minerals respectively).

The mineralization is hosted within the Mines Series R2 Stratigraphy (CMN, SD, 'BOMZ-SDB-RSF-RSC-DStrat', and 'Grey RAT'). Stratigraphic horizons known to host significant mineralization at other mine sites within the Katanga Province, including Tiger Resources' Kipoi mine located approximately 7.5km along strike to the southeast.

The higher grade assay results from samples collected from this stratigraphic sequence suggest a possible higher grade core of copper and cobalt mineralization. The mineralization is currently open at depth, to the south, and to the southeast, and further step out drilling is planned for the coming dry season which commences in May.

Mineralization styles observed in the core include both syngenetic (bedding parallel and disseminated fine pyrite lenses and blebs replaced by

chalcopyrite and carrolite) and epigenetic (fracture and vein hosted sulphides).

Diamond core - anomalous intercepts based on a 0.5% Cu cut off are summarised in Table 1.

Hole Number	East	North	NQ Tail (m)	Total Depth (m)	Azim (degrees)	Dip (degrees)
LURD001	501826	8764111	35.55	145.55	36	-60
LURD001						inc.
LURD002	501889	8764089	22.00	132.00	36	-60
LURD003	501927	8764078	46.00	138.00	36	-60
LURD004	501970	8764048	50.60	140.60	36	-60
LURD005	501782	8764142	18.25	130.25	36	-60
LURD006	501866	8764058	98.40	158.40	36	-60
LURD006						
LURD006						inc.
LURD006						inc.
LURD007	501902	8764042	96.00	158.00	36	-60
LURD007						
LURD007						
LURD007						inc.
LURD008	501943	8764011	80.88	170.88	36	-60
LURD008						inc.
LURD012	501739	8764167	101.00	148.00	36	-60
LURD012						
LURD012						
LURD012						inc.

  

Hole Number	From (metres)	Width (metres)	Cu %	Co %
LURD001	110.80	19.10	1.3	0.3
LURD001	111.80	4.70	2.2	0.4
LURD002	110.00	11.80	1.3	0.4
LURD003	92.00	35.80	1.2	0.4
LURD004	94.40	13.20	1.0	1.0
LURD005	**	**	**	**
LURD006	84.00	2.00	2.5	0.1
LURD006	96.00	6.00	0.8	0.1
LURD006	105.00	51.00	1.6	0.3
LURD006	111.00	4.00	4.2	0.4
LURD006	142.00	2.00	2.8	1.1
LURD007	74.70	2.80	0.8	0.2
LURD007	82.00	3.00	0.7	0.3
LURD007	91.50	4.00	0.8	0.1
LURD007	107.00	42.00	1.3	0.3
LURD007	131.00	3.00	2.3	0.1
LURD008	124.50	30.50	1.3	0.4
LURD008	130.00	1.00	5.1	2.8
LURD012	38.00	17.00	1.3	0.2
LURD012	72.00	14.00	1.0	0.1
LURD012	93.00	16.20	1.8	0.1
LURD012	98.00	3.60	3.8	0.1

Table 1: Anomalous length weighted drill intercepts, Luisha South Project.

Notes: Grid coordinates are WGS84, Zone 35 South; Azimuth is magnetic;

intersections are down hole widths, not true widths; reported assays are length weighted average intercepts; intercepts are based on 0.5% total copper cut off, with no top cut; reported intercepts include a maximum of two 'internal waste' sample intervals of 0.5% copper; inc. = including; \*\* = no significant intervals  $\geq 0.5\%$  copper.

A re-calculation of anomalous drill hole intercepts based on combined RC pre-collar and diamond tail assay results is summarized in Table 2. The results lend further support to a potential upgrade to the resource model.

Hole Number	From (metres)	To (metres)	Width (metres)	Cu %	Co %
LURC001/RD001	34.00	48.90	14.90	1.5	0.8
	56.00	72.00	16.00	1.0	0.2
	82.00	96.00	14.00	0.7	0.1
	New				
	100.00	129.90	29.90	1.1	0.3
LURC002/RD002	36.00	38.00	2.00	5.8	0.7
	60.00	64.00	4.00	0.7	0.2
	New				
	68.00	121.80	53.80	1.8	0.3
LURC003/RD003	New				
	36.00	127.80	91.80	1.2	0.5
LURC004/RD004	New				
	82.00	107.60	25.60	0.8	0.6
LURC006/RD006	32.00	46.00	14.00	2.5	0.1
	New				
	79.00	81.00	2.00	0.7	0.3
	84.00	86.00	2.00	2.5	0.1
	96.00	102.00	6.00	0.8	0.1
	105.00	154.50	49.50	1.6	0.3
LURC007/RD007	New				
	74.70	77.50	2.80	0.8	0.2
	82.00	85.00	3.00	0.7	0.3
	91.50	95.50	4.00	0.8	0.1
	107.00	149.00	42.00	1.3	0.3
LURC008/RD008	74.00	90.00	16.00	1.0	0.2
	New				
	124.50	155.00	30.50	1.3	0.4
LURC012/RD012	30.00	37.00	7.00	1.9	0.3
	New				
	38.00	55.00	17.00	1.3	0.2
	72.00	86.00	14.00	1.0	0.1
	93.00	109.20	16.20	1.8	0.1

Table 2: Updated anomalous length weighted drill intercepts, 0.5% TCu, Luisha South Project.

Nigel Ferguson, President and CEO of AFR stated 'we are very pleased to report significant mineralised intervals within the Luisha South Project, such as 91.8 metres at 1.2%Cu and 0.5%Co within LURC/RD003. It is expected that these recalculated intervals, utilising both the RC and DDH information will significantly impact on our current resources.

As soon as results for the remaining drill holes are received, our independent geological consultant will be given the task of updating the Luisha resource.' The updated resource calculation is expected in Q2 of 2011.

AFR will continue to report assay results from the remaining drill core samples as they become available.

Nigel Ferguson, AusIMM, President and CEO of AFR, and a qualified person under National Instrument 43-101, has verified data disclosed in this release.

ON BEHALF OF THE BOARD OF DIRECTORS OF AFRICAN METALS CORPORATION

'Nigel Ferguson'

Nigel Ferguson

President & CEO

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#### Drill Hole Sampling and Assaying Procedure

The Company undertakes drilling and sampling to strict guidelines. The core was collected from the drill rig at the end of each shift, processed for RQD geotechnical logging, and digitally photographed. The drill core was predominantly NQ in size, with a small percentage of HQ core in the upper 20m of holes cored from surface in clay soils. Core was 'fitted' back together whenever possible, and geologically logged on site by the supervising project geologist. The project geologist ensured a representative cutting line was marked along the length of the core and samples highlighted at appropriate intervals. Once the sample intervals and cut lines had been clearly marked out, the start and end of each sample interval was cut orthogonal to the long axis of the core to clearly define the end of each sample interval. The core was then cut in half lengthways along the representative cut line. A stand mounted, diamond impregnated electric saw blade purchased from Johannesburg, South Africa, was used for all core cutting purposes. The left half of the core was returned to the metal core trays and retained for future reference; the right half was placed into

appropriately marked and labeled plastic sample bags. Quality Control protocols enforced by the company require the collection and insertion of Certified Reference Materials (CRM's) at the rate of one CRM 'blank', one field blank (sand), one CRM 'copper standard' and one field duplicate sample within each sample stream of 20 samples.

Samples were delivered under security by company vehicle to SGS Minerals Laboratory in Kalulushi, Zambia for sample preparation and analysis. The laboratory maintains quality assurance protocols in line with ISO 17025, and maintains quality accreditation for commercial laboratories in line with ISO 9002. The laboratory also participates in international round robin programs organized by LQSI of the USA.

The sample preparation scheme was PRP90; drying for 4 hours at 105 degrees Celsius; crushing to 2mm with 90% passing 2mm; and pulverizing of a 1000 gram sub-split of the 2mm chips to 85% passing 75 microns. Digest was scheme DIG42S; 0.4 grams of pulverized material digested in a 4 acid mixture on a hot plate at 200 degrees Celsius for 45 minutes, with subsequent dilution back to 100ml before AAS analysis by method 'AAS42S'. Results for copper and cobalt were reported in percentages. Lower detection limits were 0.01% for both elements.

About African Metals Corporation.

African Metals Corporation [TSXV 'AFR'] is a Canadian listed company focused on the discovery and development of Copper and Cobalt deposits in the highly mineralized Katanga Copper Belt of the world renowned Africa Copper Belt in the Democratic Republic of Congo ('DRC').

AFR purchased all the assets of Chevalier Resources Inc. in March 2010 including a 57% interest in the Luisha South Project contained within licence PEPM 4881, Katanga Province, Democratic Republic of the Congo ('DRC') through subsidiaries incorporated in the DRC. In July AFR negotiated a further 18% interest in the project with the option to increase the equity interest to 90% based on results. The project is located 75 kilometres northwest of Lubumbashi, the capital of Katanga Province and consists of approximately 16.2km<sup>2</sup>.

The Luisha South Project includes a small historical open pit mine and associated stockpile and is underlain by Roan Group sediments which host major Cu-Co deposits in the DRC. The Luisha South ore body was explored between 1923 and 1928 and an oxide deposit with an estimated pre-production tonnage of approximately 350,000 tonnes at 8.6% Cu was delineated. The Luisha Project also covers some three kilometres of the Roan Group strike length which is favorable for Cu-Co mineralization. AFR is currently conducting metallurgical tests on stockpile Reverse Circulation drill samples to determine characteristics and heavy media separation qualities, with the aim of commencing production of an oxide concentrate by the end of Q2 2011.

Additionally, African Metals has an option to earn an 80% interest in 8 properties held by local company, KMH, covering some 682 square kilometres within the Katanga Province Central African Copper Belt in the southeastern part of the DRC. AFR has delineated several sizeable soil anomalies within the licenses and is progressing exploration to test depth continuations of this mineralization.

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