



TARUGA GOLD LIMITED

*Acquisition of Major Cobalt-Copper Projects,
Democratic Republic of Congo*

April 2018

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Investment Highlights

A high grade cobalt-copper play in the DRC



Acquisition⁽¹⁾ of high grade advanced cobalt projects in the Kolwezi Mining District

Acquisition⁽²⁾ of early stage cobalt-copper projects in Lualaba and Haut Katanga Provinces, Central African Copperbelt

A strong, highly credentialed Management team and Board, with an extensive network and significant experience operating in the DRC

Growing demand for electric vehicles (EVs) expected to drive demand for battery metals, particularly cobalt

High grade cobalt deposits in the DRC will greatly assist in meeting forecasted cobalt supply deficit

Corporate Overview

Well positioned to become substantial cobalt-copper player



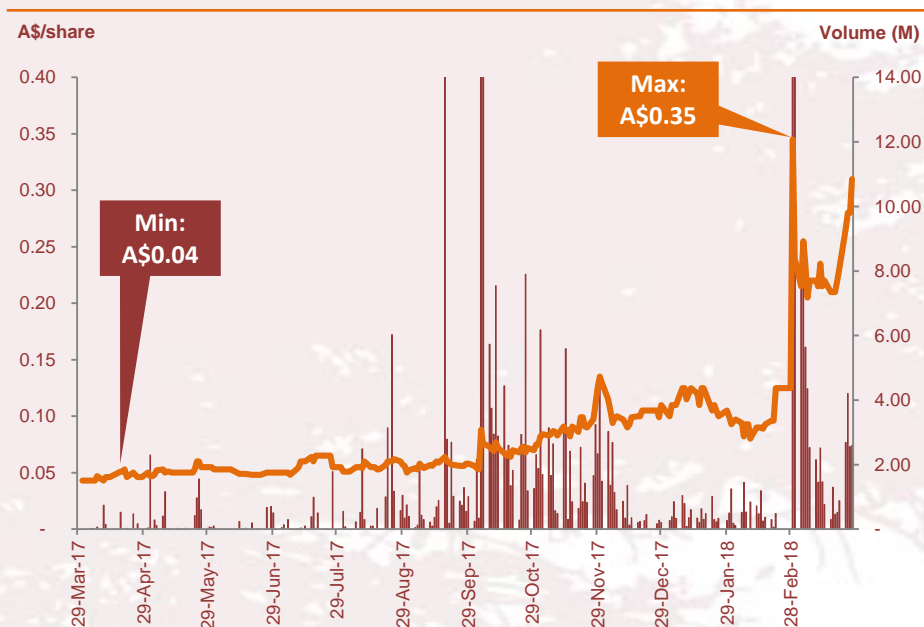
Capitalisation Data⁽¹⁾

Share Price	A\$	0.31
Basic S/O ⁽²⁾	M	114.8
Market Cap	A\$M	35.6
Net debt/(cash) ⁽³⁾	A\$M	2.5
Enterprise Value	A\$M	33.1

Management and Board

Mark Gasson	Executive Director
Jamie Anderson	Exploration Manager
Gary Steinepreis	Non-Executive Director
Sheena Eckhof	Non-Executive Director
Bernard Aylward	Non-Executive Director

LTM Share Price Performance & Volume⁽¹⁾



Top Shareholders

Board and Management	9.1%
Top 20	66.44%

1. As at market close 29 Mar 2018
 2. Does not include remaining 2.6M shares of total 13.5M placement, 12M shares to be issued to consultants and 10.5M performance shares as per 1 Mar 2018 ASX announcement
 3. 31 Dec 2017 cash of A\$1.4M adjusted for proceeds of A\$1.1M from capital raising as per 1 Mar 2018 ASX announcement

Management Overview

A strong, diversified and qualified team with extensive experience in the DRC



Executive Management & Advisors

Mark Gasson
Executive Director

- Geologist with 33 years of experience
- Active in the DRC since 2004 in gold and base metals exploration and resource development
- Instrumental in the discovery of Tiger Resources 1 million tonnes Kipoi copper deposit

Jamie Anderson
Exploration Manager

- Appointed as DRC Exploration Manager
- Geologist with 14 years experience, 10 in DRC
- Exploration and Resource Management at Kipoi (Tiger), Chemaf (Kolwezi) and Bisie (Alphamin)

Klaus Eckhof
Advisor

- Geologist with 25+ years experience sourcing and developing exploration projects, DRC since early 2000
- Founder of Moto Goldmines, Spinifex Gold Ltd, and Lafayette Mining Ltd, Amani Gold Ltd
- Currently Chairman of AVZ Minerals

Board of Directors

Gary Steinepreis
Non-Executive Director

- Chartered Accountant with over 20 years' experience with ASX-listing rules, corporate governance and equity capital raisings

Sheena Eckhof
Non-Executive Director

- Extensive experience gained from previous positions with two globally renowned Investment Banks, with a specific focus on the resources sector
- Currently working within a Business Development and Investor Relations role with a West Australian mid-cap resources company

Bernard Aylward
Non-Executive Director

- Geologist with over 20 years experience as Manager & Exploration Geologist across West Africa, Australia and Europe

Daniel Smith
Company Secretary

- Director of Minerva Corporate, a boutique corporate advisory firm
- Has advised on and been involved in over a dozen IPOs, RTOs and capital raisings on the ASX and NSX

Central African Copperbelt - Geology



Roan Sequence - host to the worlds largest stratiform cobalt and copper deposits

- Located within the Lufflian Fold Belt in southeast DRC and Zambia
- Cobalt-copper mineralisation traditionally within the lower Roan, Mines Group (R-2) series
- Discovery of Kamoia (>25m tonnes of contained copper, Ivanhoe Resources) highlights potential for new discoveries in overlying Mwashya (R-4) and Nguba Groups
- Good potential for new “blind” under cover copper-cobalt discoveries
- Mining from open pit and underground sources

Group	Subgroup	Formation	Lithologies	
Kundelungu (Upper)(Ku) (208,155,133)	Plateaux (Ku3)			
	Kiubo (Ku2)	Upper Kiubo (Ku2.2)		
		Lower Kiubo (Ku2.1)		
	Kalule (Ku1)	Upper Kalule (Ku1.3)		
		Middle Kalule (Ku1.2) Lower Kalule (Ku1.1)		
Nguba (Lower Kundelungu) (Ng) (236, 807,78)	Monwezi (Ng2)			
	Likasi (Ng1)	Upper Likasi (Ng1.2) Grand Conglomerate (Ng1.1)	Diamictite	
Roan (R) (0,112,192)	Mwashya (R4) (180,215,158)	Upper Mwashya (R4.2) (11,245,173)	Shales, carbonaceous shales and sandstones	
		Lower Mwashya (R4.1) (51,204,51)	Dolomites, jasper, pyroclastics and hematite	
	Dipeta (R3) (147,205,221)	Kansuki (R3.4)	Dolomites interbedded with shales	
		Mofya (R3.3) R3.2	Dolomitic siltstones and feldspathic sandstones Doleritic and gabbroic bodies	
		R.G.S. (R3.1) (255,235,175)	Dolomitic siltstones	
	Mines (R2) (255,0,0)	Kambove C.M.N. (R2.3) (252,245,182)	Upper	
			Lower	Laminated, stromatolitic, talcose dolomites and dolomitic siltstones
		Dolomitic Shale S.D.S. (R2.2) (175,54,0)	S.D.S	Dolomitic shales, black graphitic shales
			B.O.M.Z.	Wad (manganiferous earth), Black ore mineralised zone
			S.D.B	Basal dolomitic shales
		Kamoia (R2.1) (255,0,0)	R.C.S. (R2.1.3) (255,192,0)	(Roches Siliceuses Cellulaires) stromatolitic dolomite
			R.S.F. (255,0,0)	Foliated siliceous dolomites
	D.Strat (R2.1.2) (255,153,102)		Stratified argillaceous dolomites	
	Grey R.A.T. (R2.1.1) (191,191,191)		(Roches Argillo-talqueuses) dolomitic siltstones, grey-green siltstones	
	R.A.T. (R1) (244,255,6)	R1.3	Pink-lilac chloritic dolomitic siltstones	
R1.2		Chloritic silt, stromatolitic dolomite, sandstones		
R1.1		Hematitic, slightly dolomitic siltstones		

Third or Bushy
R.A.P (Upper Onitsha)
R.F (Lower Onitsha) (255,0,0)

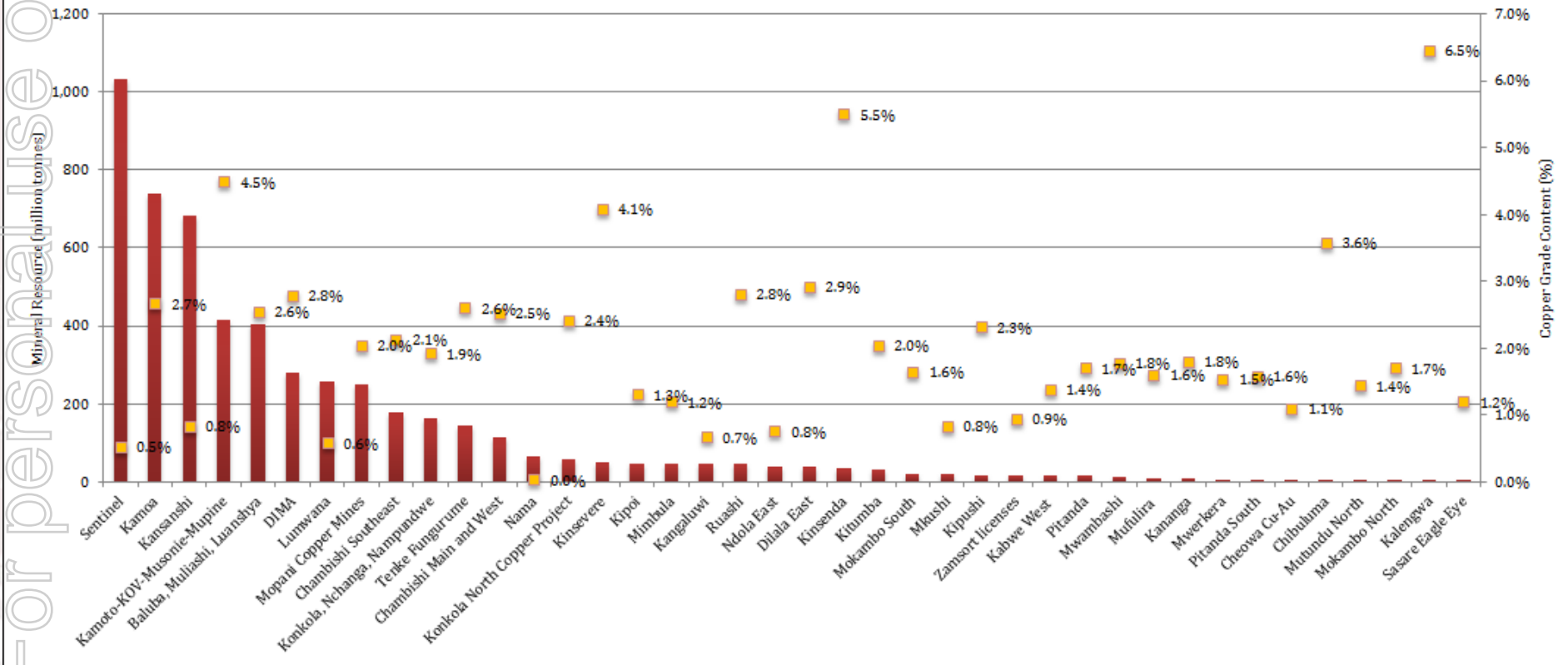
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Economic Importance of Copperbelt in DRC

DRC is host to 65% of the worlds cobalt resources and some of the largest copper deposits in the world



Central African Copperbelt: Deposits



- 1 Multiple large, high grade deposits
- 2 Major source of cobalt mineralisation
- 3 Largest copper reserves outside of Chile

Portfolio of Cobalt Projects – southeast DRC

Advanced cobalt projects in Kolwezi “Klippe” – host to world class cobalt and copper deposits



Kolwezi Klippe

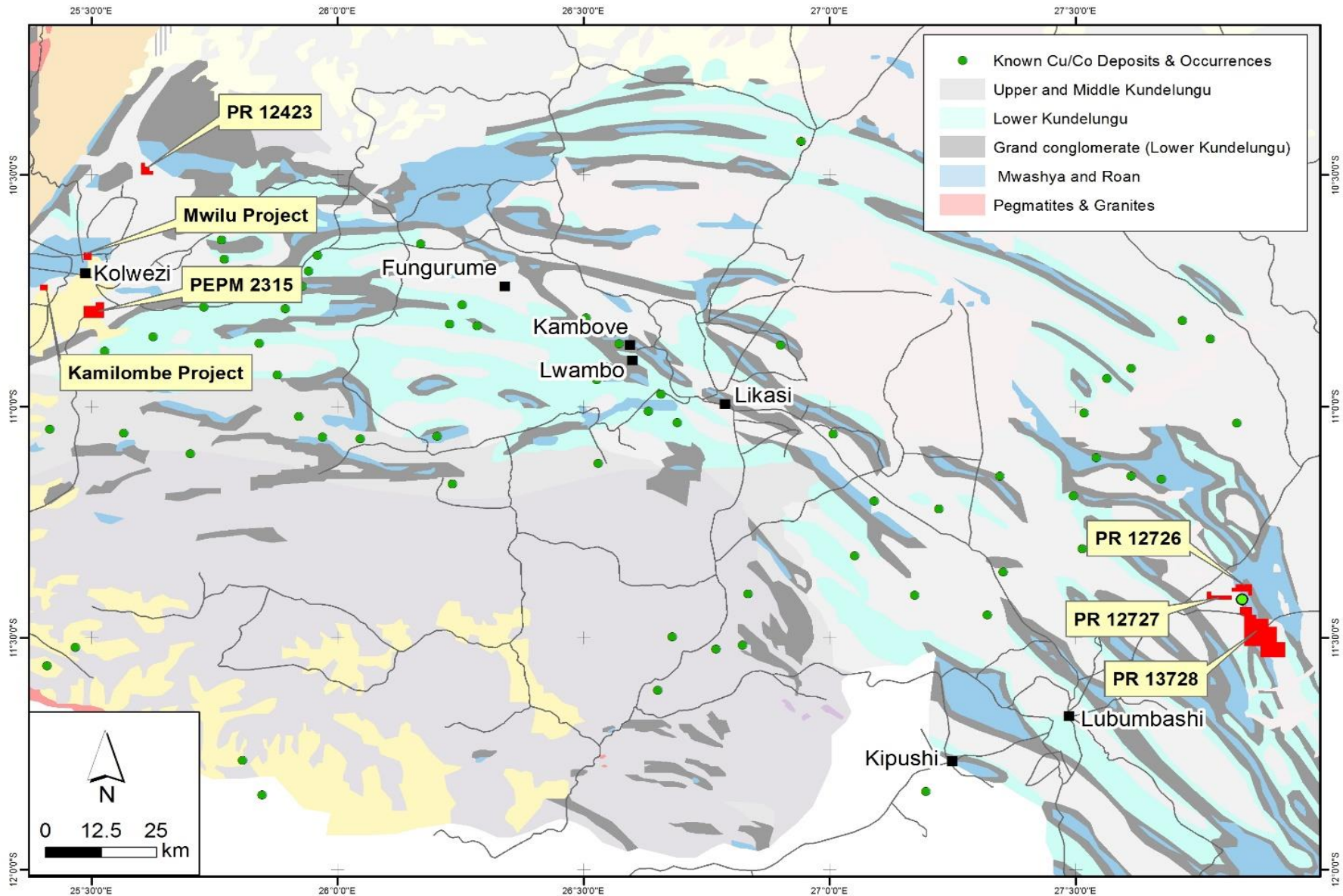
- Mwilu and Kamilombe are key projects for Taruga in Kolwezi “Klippe”
- High grade cobalt mineralisation currently being extracted by artisanal miners
- Drilling at Kamilombe includes
 - **26.5m @ 2% Co** and 1% Cu from 78.1m & **32.2m @ 3% Co** and 0.5% Cu from 209.6m;
 - **33.6m @ 2% Co** from 77.93m
 - **46.8m @ 2% Co** from 7m
- Kolwezi Klippe hosts approximately 50% of the known Roan mineralisation in the Copperbelt

Lubumbashi Region

- Early stage Exploration Projects covering >20km of potentially mineralised Roan sediments (R2 Mines Series)
- Presence of artisanal mining supports potential for discovery
- Channel sample results up to 1.3% Co, low grade copper
- Adjacent to operating mines

Taruga – Project Location within Copperbelt

Strong association with Roan sediments



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Kolwezi "Klippe" – Includes Mwilu and Kamilombe Projects

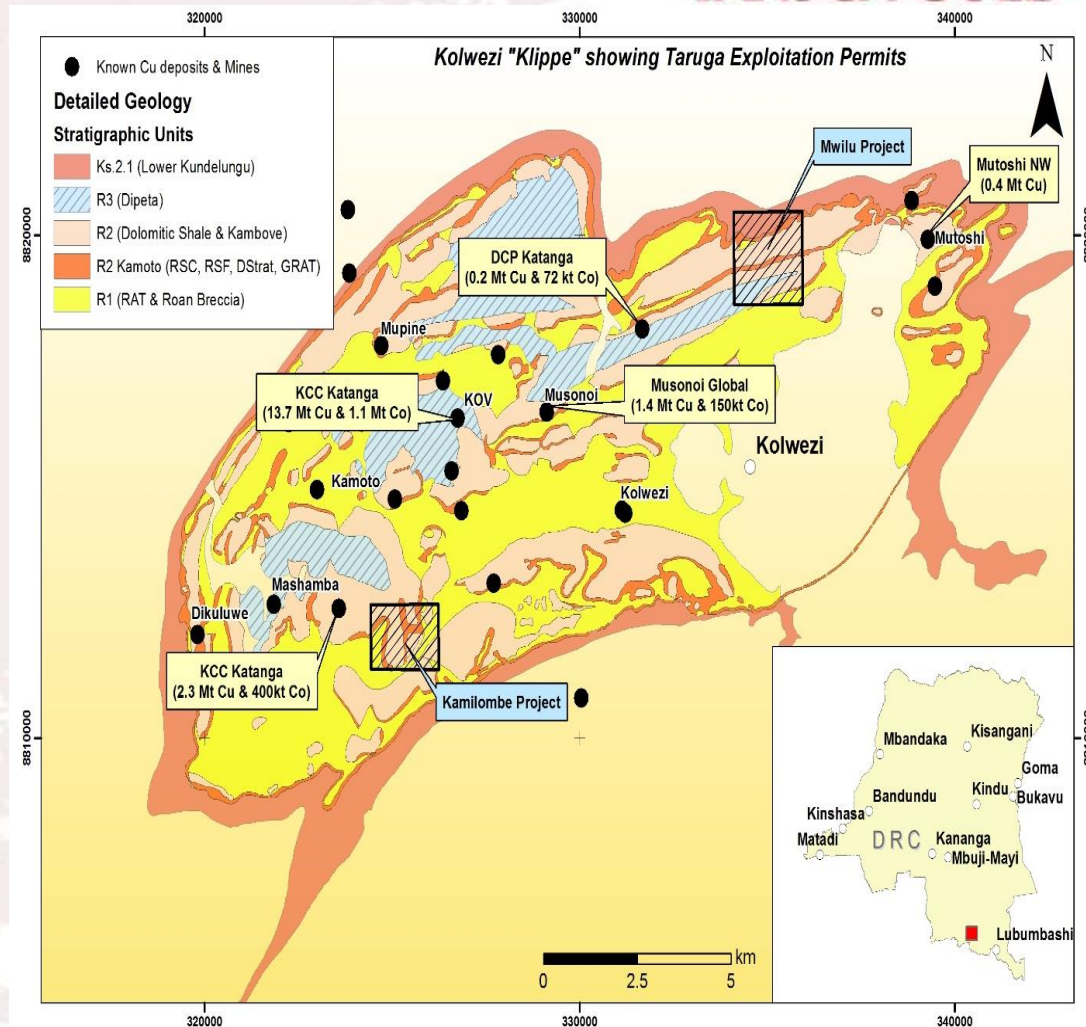
Host to 50% of Katanga deposits



TARUGA GOLD

Kolwezi "Klippe"

- Covers an area of over 20km x 8km centred on Kolwezi
- Host to some of the largest high-grade open pit and underground copper mines
- High grade cobalt mineralisation
- Largest cluster of deposits within the Copperbelt - host to approximately 50% of the known Roan deposits



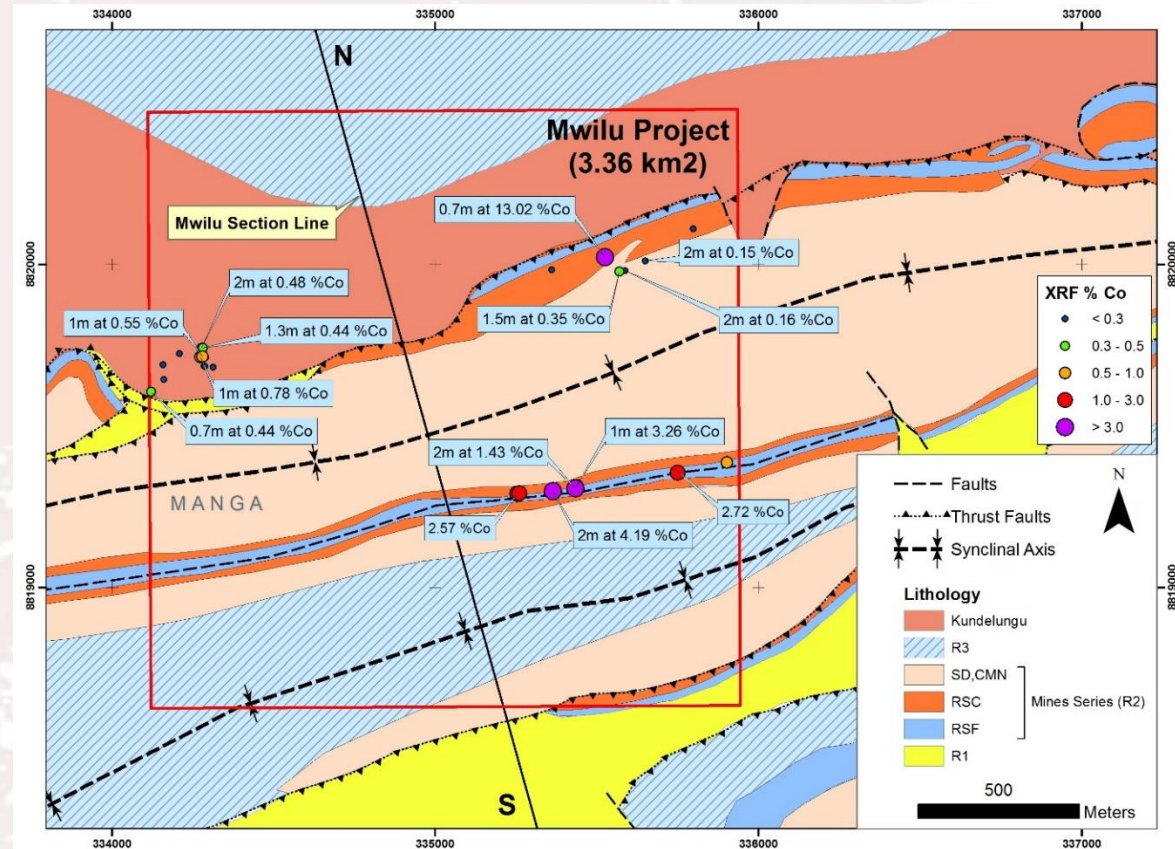
Mwilu Project – Initial High Grade Cobalt

Assay results up to 16% cobalt from artisanal pits and trenches



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- Mwilu Project covers an area of 3.36km²
- Mineralised R2 Mines series exposed over >4km at surface
- Active artisanal mining recovering high grade cobalt, little copper
- Initial reconnaissance sampling reported up to 16% Co from artisanal pits and trenches
- Taruga evaluating viability of small scale mining operation at Mwilu



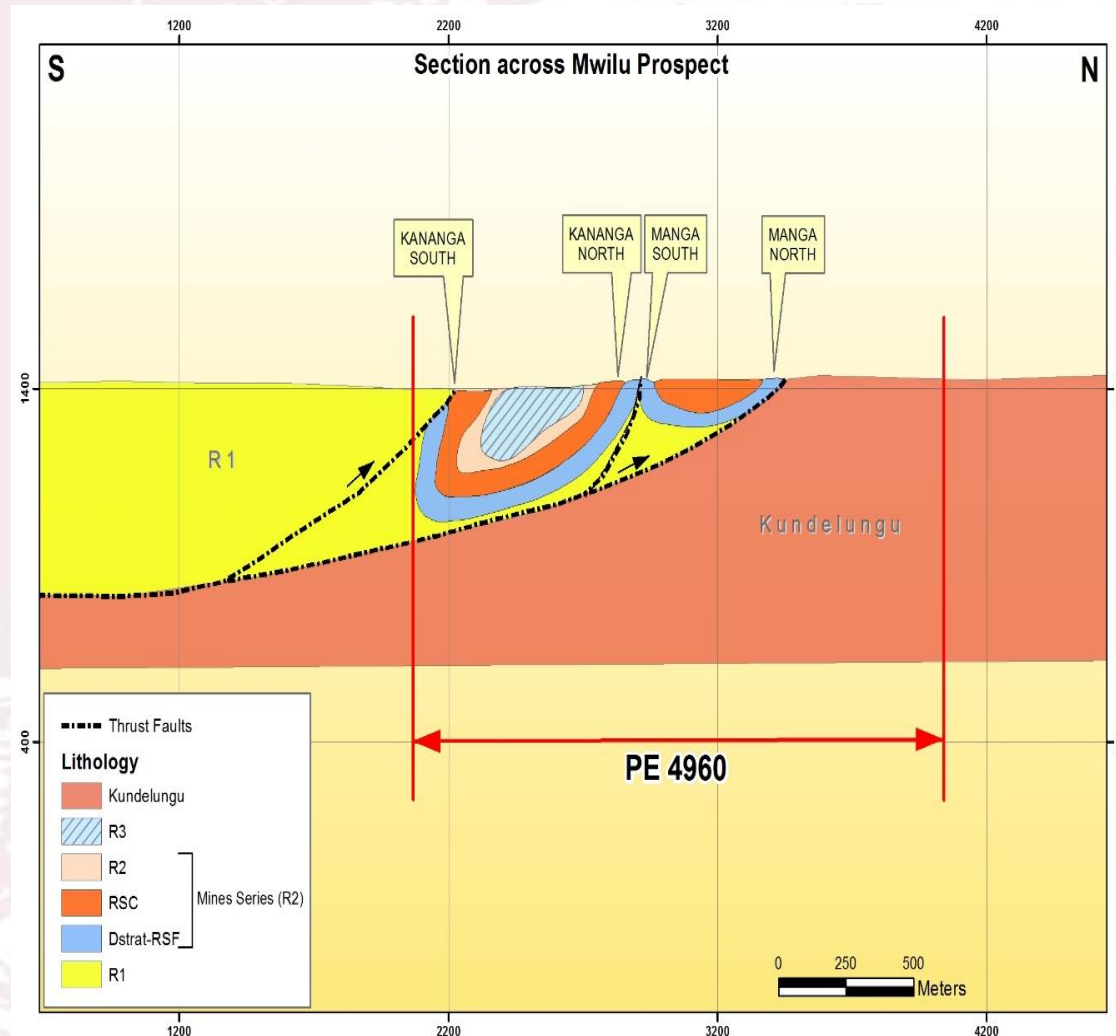
Mwilu Project – Cross Section

Mineralisation down to 350m – strong structural control



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- Interpreted mineralisation within two folded R2 Mines sequences thrust faulted to surface
- Typical R2 Mines style of mineralisation – combined thickness >10m
- Interpretation of geology indicates fold repeated sequence with depth potential down to 350m
- Planned drilling to confirm true thickness and grade of mineralisation

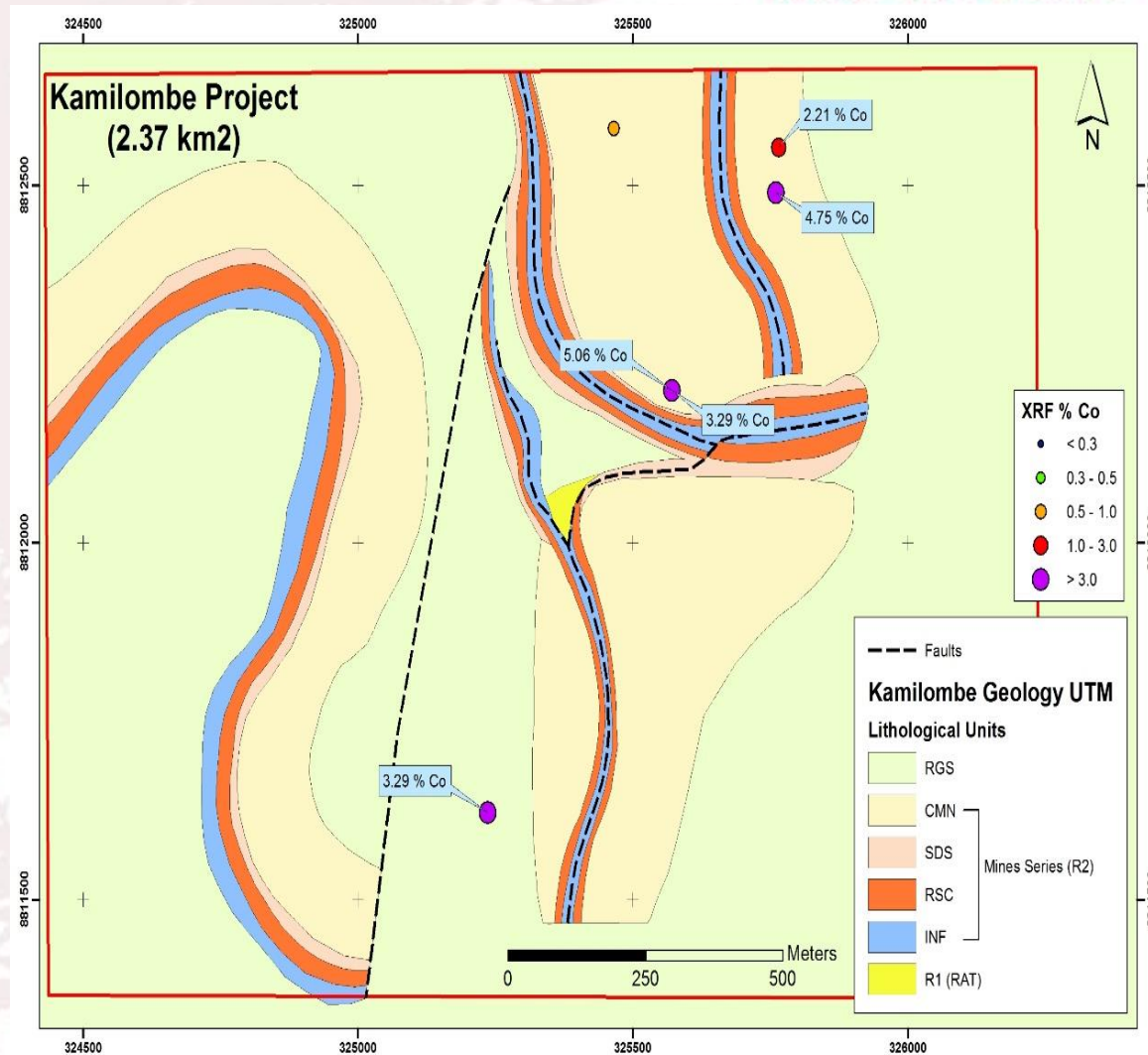


Kamilombe Project – High Grade Drill Intersections



Borders on KCC's deposits (400,000 tonnes of contained cobalt)¹

- Kamilombe project covers a surface area of 2.37km²
- Structurally complex mineralised R2 Mines lithologies
- Reconnaissance sampling of artisanal pits reported grades of **2.21% to 5.06% Co**
- Historic exploration drilling intersected multiple, high-grade cobalt mineralised zones including:
 - **26.5m @ 2% Co and 1% Cu from 78.1m & 32.2m @ 3% Co and 0.5% Cu from 209.6m;**
 - **33.6m @ 2% Co from 77.93m**
 - **46.8m @ 2% Co from 7m**



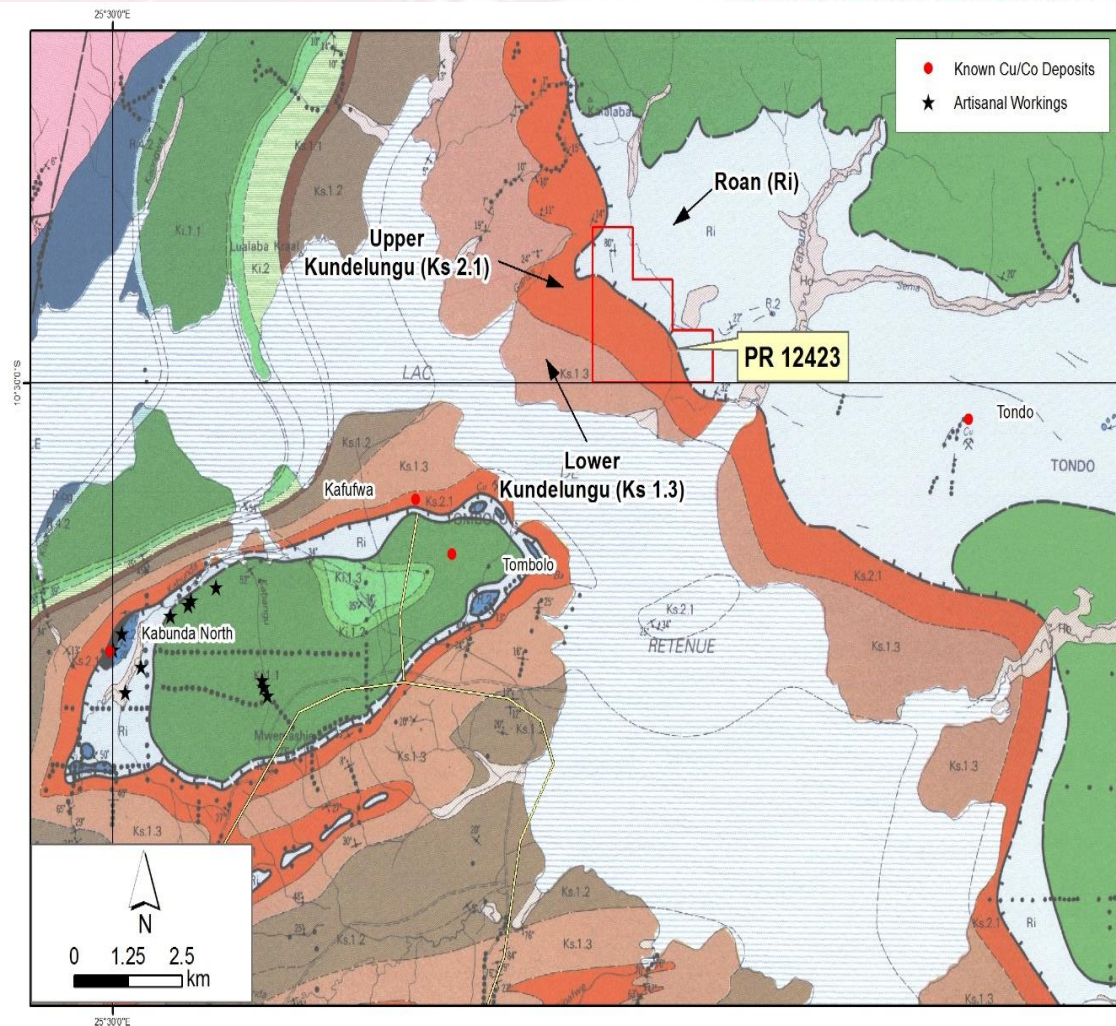
1. Refer ASX Announcement 1 March, 2018

PR12423 – High Grade Cobalt Mineralisation

Early stage cobalt project



- PR12423 covers 5.04km², located approximately 30km NE of Kolwezi
- Early stage project assessed previously for copper potential
- 3km of mineralised R2 Mines Series thrust faulted to surface
- Historical trenching and surface sampling reported anomalous results up to 1.28% Co, maximum of 0.38% Cu
- Taruga to conduct outcrop mapping and sampling programmes with follow-up soil sampling and Air-Core drilling

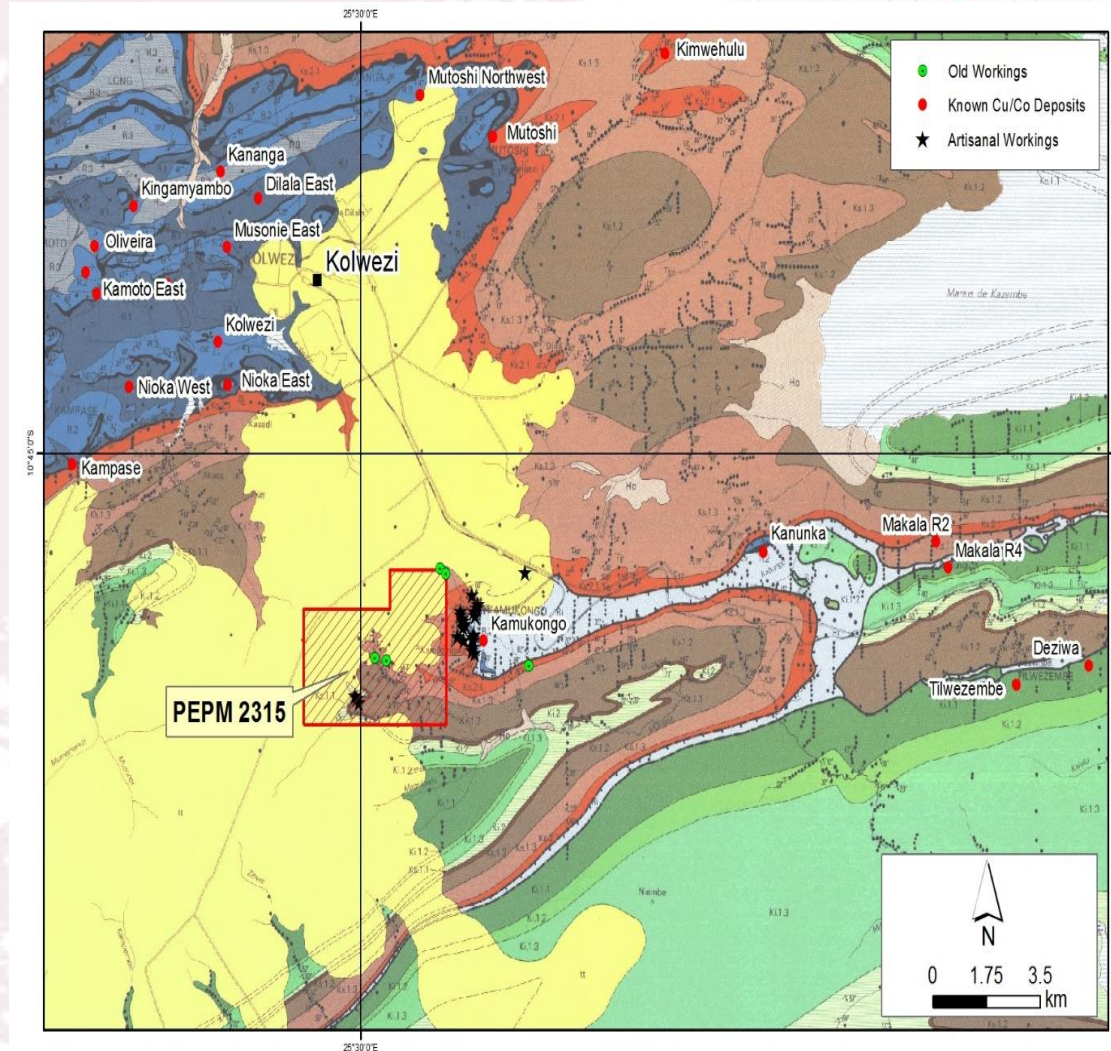


PEPM2315 – Location and Geology

Early stage cobalt-copper project in highly prospective Roan belt



- Permit covers an area of 28.35 km² and lies roughly 8km SSE of Kolwezi
- Eighty five percent of the property is overlain by recent soil cover
- Good potential for discovery of blind deposits
- Roan sediments are interpreted to extend onto licence area
- Roan sediments are being mined commercially and by artisanal miners immediately to the east of concessions
- Taruga to conduct auger/soil sampling programmes with follow up Air-Core drilling on successful conclusion of due diligence



Lubumbashi Region – Location and Geology

Early stage cobalt-copper projects



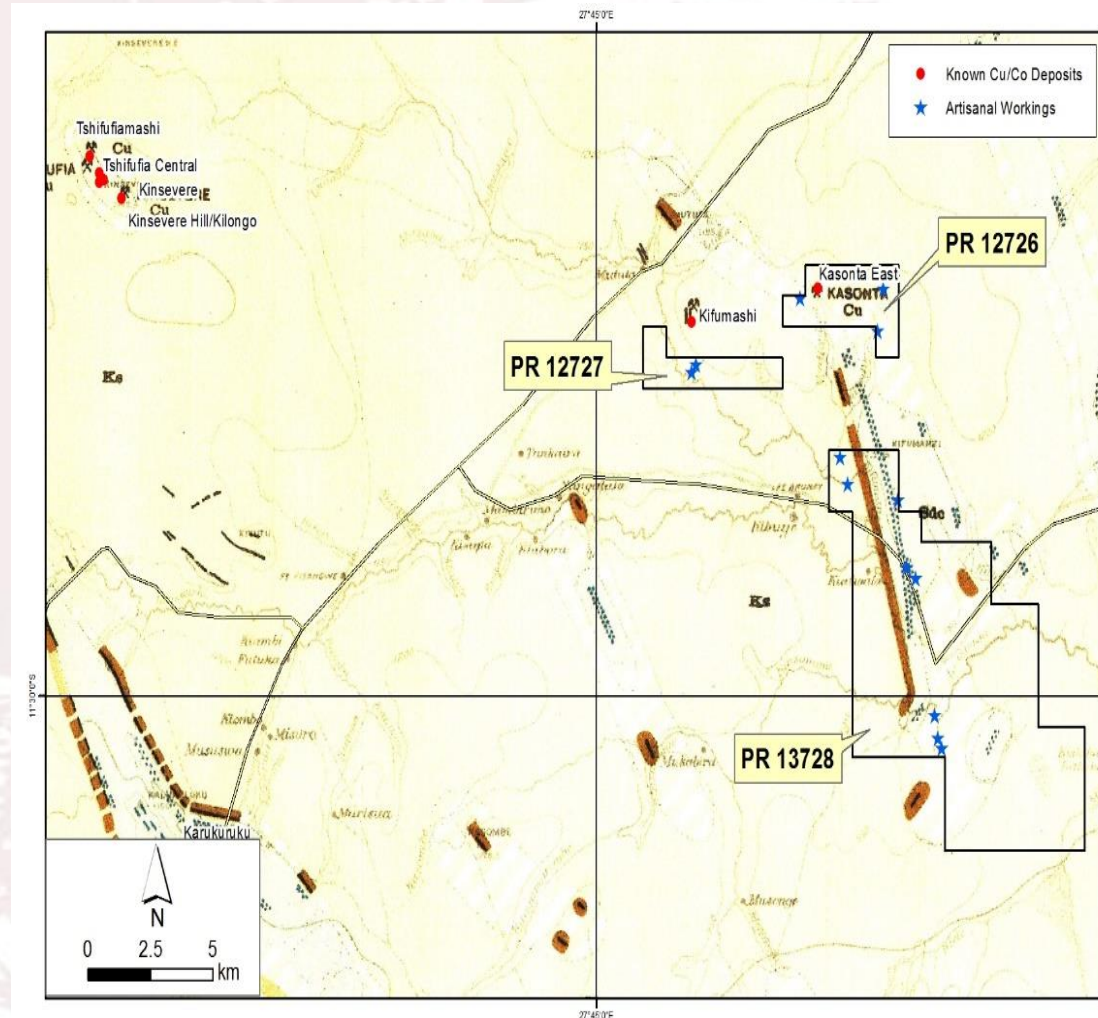
- 3 concessions covering 82.71 km², approximately 60km NE of Lubumbashi

- Over 20km of Roan sediments interpreted to transgress licence areas

- Roan sediments mined on PR12726 on strike from interpreted Roan lithologies on PR 13728 (under cover)

- Extensive artisanal workings along NNW trend

- Taruga to conduct auger/soil sampling programmes with follow up Air-Core drilling on successful conclusion of due diligence





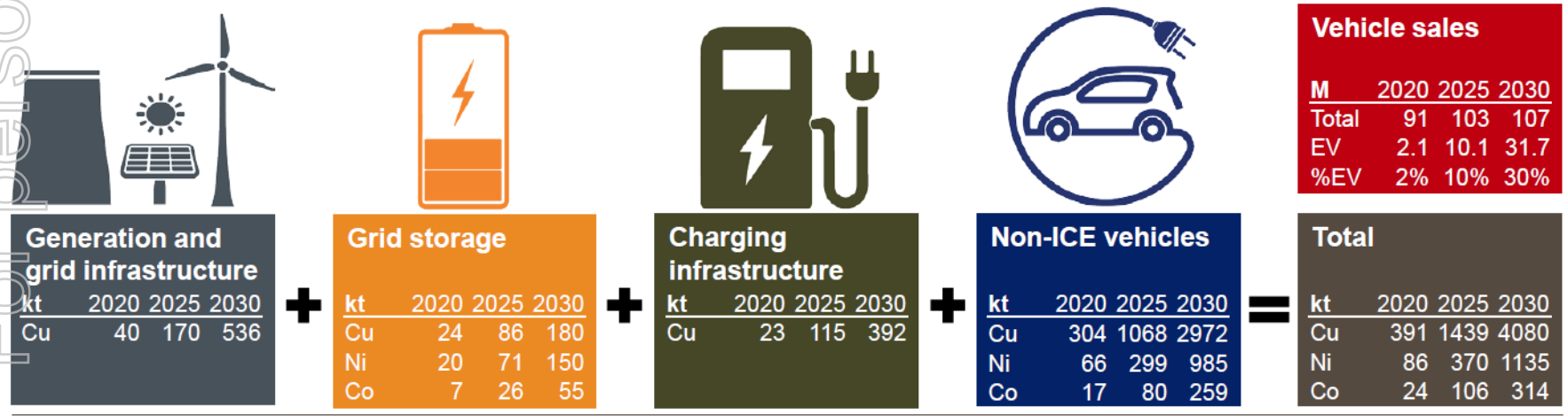
EV Battery Thematic

The world is changing: electric vehicles will be a disruptive force

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How much metal is required to realise the Electric Vehicles Initiative target⁽¹⁾ of 30 million electric vehicle sales by 2030?

- We commissioned CRU to model the metal requirements across the supply chain, from generation and grid infrastructure through to storage, charging and vehicles
- In 2030, forecast metal requirements are c.4.1Mt of copper (18% of 2016 supply), c.1.1Mt of nickel (56% of 2016 supply) and 314kt of Cobalt (314% of 2016 supply)
- As early as 2020, forecast EV related metal demand is becoming material, requiring an additional c.390kt of copper, c.85kt of nickel and 24kt of cobalt
- Transportation/mobility will be transformed – driven by environmental pressures, political mandates, consumer experience and technological progress



1. Glencore Investor Update: 12 Dec 2017

EV Battery Thematic

Cobalt expected to be a big winner

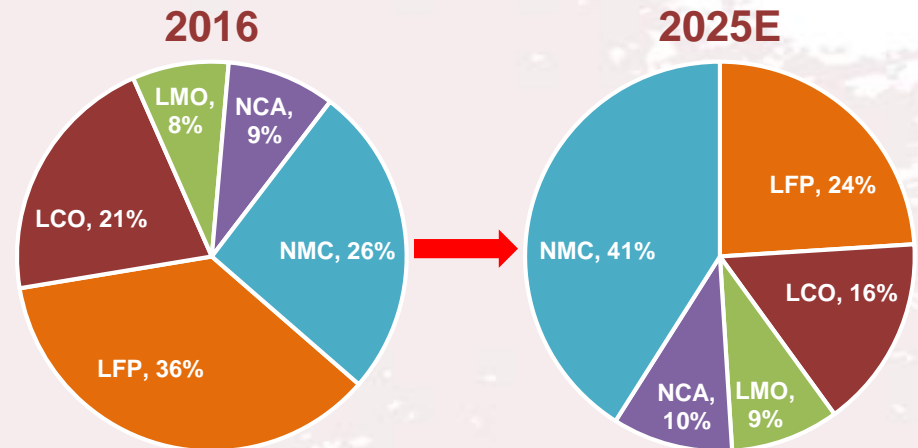


NMC batteries favoured by the EV industry

Cobalt concentrations need to be maintained in NMC batteries to stabilise nickel

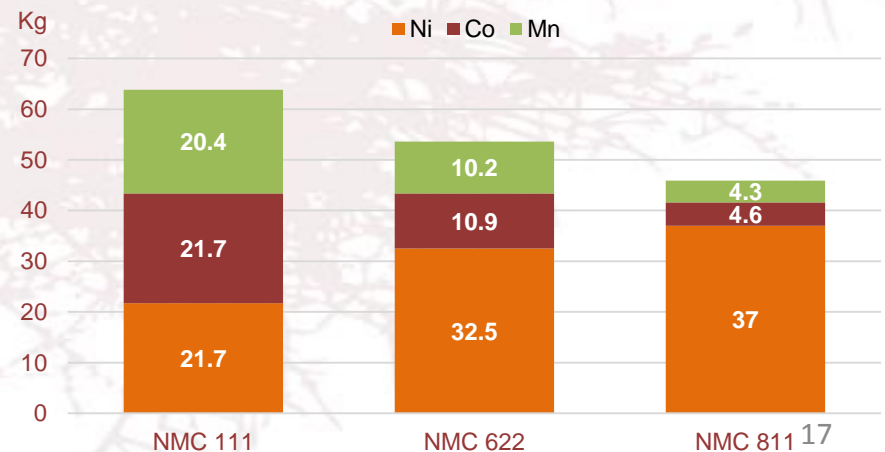
- High nickel concentration decreases thermal stability and lifespan of the battery
- Suggested that c.20% of cobalt is needed for stabilisation

Cathode Active Material Allocation⁽¹⁾



Cathode	Key Characteristics
NMC (Ni, Mg, Co)	<ul style="list-style-type: none"> High energy density Different chemical ratios
NCA (Ni, Co, Al)	<ul style="list-style-type: none"> High energy density Low safety profile, high cost
LFP (Li, Fe, PO ₄)	<ul style="list-style-type: none"> Low energy density Very stable, long life span
LMO (Li, Mg, O)	<ul style="list-style-type: none"> Low energy density Very stable, low life span
LCO (Li, Co, O)	<ul style="list-style-type: none"> High energy density Very low safety profile, explosive in EV's

Minimum Cathode Materials for NMC Batteries⁽²⁾



1. BMO Research: The Lithium Ion Battery and the EV Market, Feb 2018
 2. UBS Research: UBS Nickel – How We Can Supply the Electric Vehicle Market, Nov 2017

Cobalt Supply & Demand

High demand, challenged supply, increasing price



- High demand driven by EVs, however supply is challenged

- Mainly produced as a by-product of copper and nickel, with only 1% from primary mines
- Majority of cobalt is located in the DRC, which has proved to be politically unstable in the past

- Without demand adjustment through substitution and thrifting, cobalt demand could increase c.60% by 2025⁽³⁾

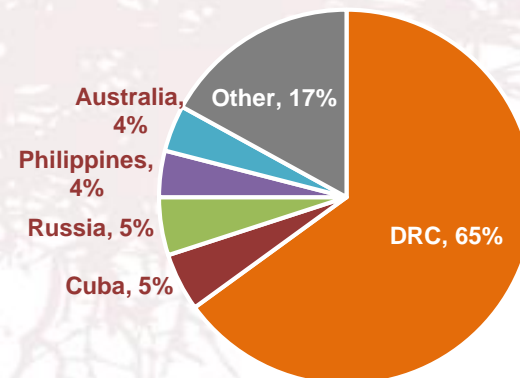
- Supply deficit is expected beyond 2022⁽⁴⁾

- Further price gains are predicted

LTM LME Cobalt Price Performance⁽¹⁾



2016 Cobalt Production by Geography⁽²⁾



1. Market data as 2 Apr 2018
2. Cobalt 27 investor presentation
3. BMO: Global Metals and Mining 2018
4. Bloomberg

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