

Building an Extensive Cobalt Resource in Namibia

Africa Down Under
29 August 2018



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All amounts in AUD unless stated otherwise.

Investment Highlights

Extensive source of Co, Cu & Zn sulphides



BROAD MINERALISATION
CONFIRMED OVER 15KM+
WITH SIGNIFICANT
FURTHER POTENTIAL
STRIKE

Maiden JORC Resource: 112.4 Mt at
0.11% Co, 0.41% Cu & 0.43% Zn

LARGE-SCALE RESOURCE

Potential for high production rate
and economies of scale



SIMPLE, UNCOMPLICATED MINERALOGY

95% of current resource is sulphides
and low in arsenic

CONVENTIONAL SULPHIDE FLOTATION WITH HIGH RECOVERIES

Conventional flotation recoveries of
~80% and demonstrated high leach
extraction of >90%



POLITICALLY STABLE AND SAFE LOCATION WITH EXCELLENT INFRASTRUCTURE

Namibia is mining friendly with
ample access to grid power, water
and services

STRONG DEMAND FUNDAMENTALS

Future demand for cobalt, led by the
looming electric vehicle and battery
storage revolutions, driving prices
higher

Corporate Overview

Capital Structure

715.4M

Shares (CLA)

41.9M

Listed options:
CLAO-AUD 0.01 strike

49.5M

Unlisted options

96.8M

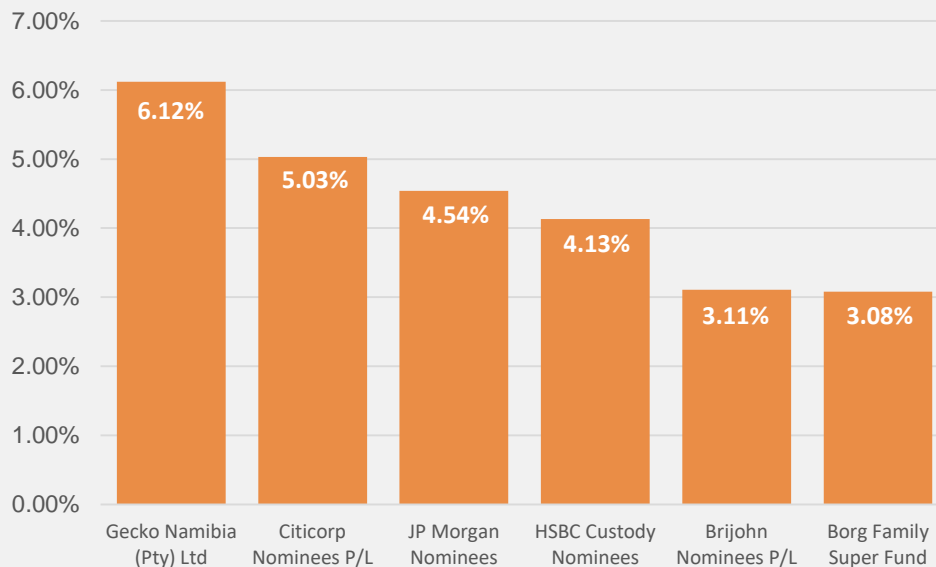
CTA \$0.12 (fully diluted)

Market cap (AUD)

\$12.4M

Cash (June 30)

Major Shareholders



CLA.ASX 0.12



Directors and Management

<p>Brendan Borg Managing Director</p>	<ul style="list-style-type: none"> • A geologist with over 20 years' experience gained working in management, operational and project development roles in the Exploration and Mining industries • Experience includes Rio Tinto Iron Ore, Magnis Resources Limited, IronClad Mining Limited, Lithex Resources Limited and Sibelco Australia Limited • Director of Tempus Resources Limited (ASX:TMR) and geological consultancy Borg Geoscience Pty Ltd
<p>Bill Oliver Non-Executive Chairman</p>	<ul style="list-style-type: none"> • A geologist with over 20 years' experience in the international resources industry working for both major and junior companies • Former roles include Rio Tinto, Harmony Gold, Bellamel Mining and BC Iron • Director of several ASX listed companies, including Tando Resources Limited (ASX:TNO)
<p>Pine van Wyk Project Director</p>	<ul style="list-style-type: none"> • Metallurgical Engineer with extensive experience in developing and operating mines in Namibia • Formerly with Rössing Uranium and Paladin Energy Ltd at their Langer Heinrich Uranium project as Operations Manager, taking the project from feasibility to full production • Currently Managing Director of the Gecko Namibia group of companies
<p>Ranko Matic Non-Executive Director</p>	<ul style="list-style-type: none"> • Over 20 years' experience in the areas of financial and executive management, accounting, audit, business and corporate advisory • Director of a Chartered Accounting firm and a Corporate Advisory company based in Perth, Western Australia
<p>Melanie Ross Company Secretary</p>	<ul style="list-style-type: none"> • Over 18 years' experience in financial accounting and analysis, audit, business and corporate advisory services in public practice, commerce and state government • Currently a Director of a corporate advisory company based in Perth that provides corporate and other advisory services to public listed companies
<p>Edward Legg Project Development Manager</p>	<ul style="list-style-type: none"> • 20 years' experience, developing and managing mining projects in Southern Africa, more specifically in South Africa, Zambia, and the DRC • Former experience at AngloGold Ashanti/Anglo Platinum, Metorex Ltd and Vale/ARM JV in Zambia

Cobalt – A commodity in demand



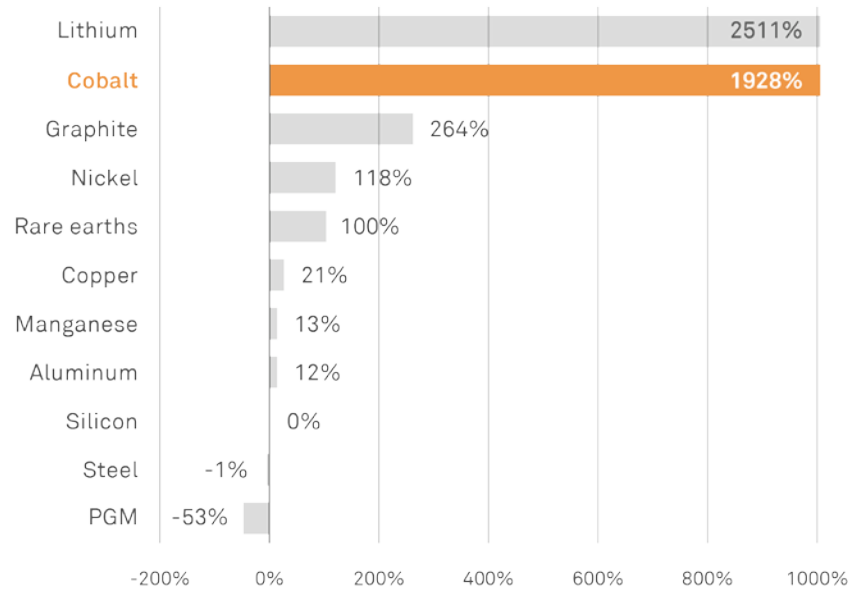
Why Cobalt?

- Substantial price appreciation over the past two years to more than USD \$90,000/tonne
- Battery-grade cobalt chemicals have seen greater price increases than equivalent LME metal prices
- Chinese EV manufacturers shifting towards cobalt-based lithium ion batteries
- Security and supply concerns in DRC means more diverse sources of cobalt needed

Cobalt – Best Exposure to Battery Boom?

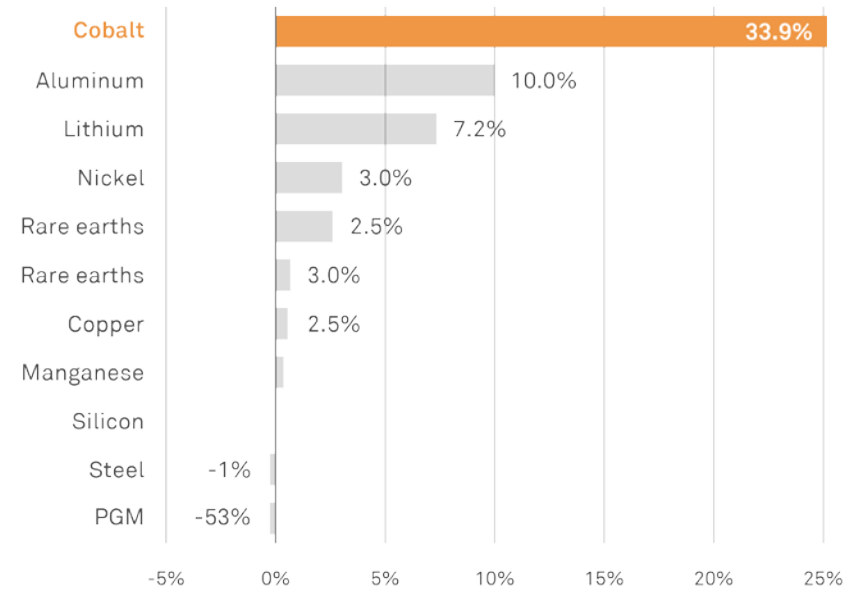
In a 100% EV world ...

demand for commodities would change by ...*



*in % of global market today

incremental annual commodity demand would deplete reserves by ...

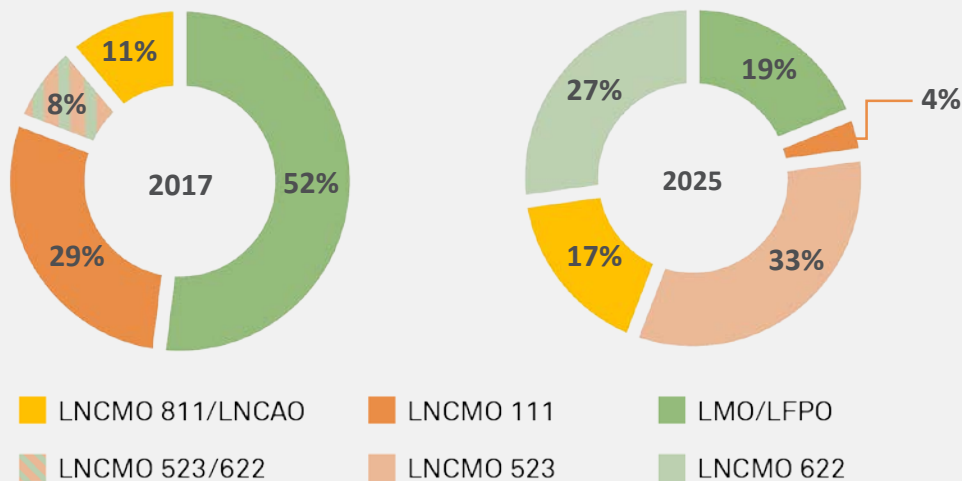


Cobalt – Market Outlook

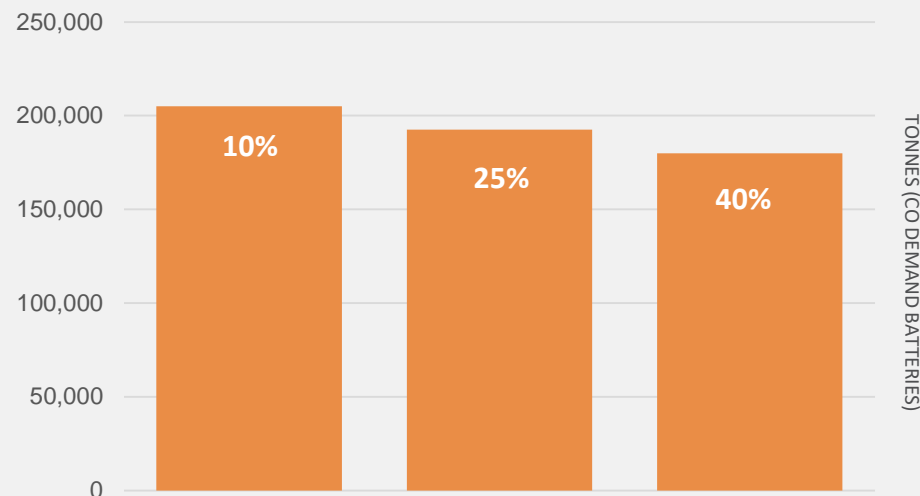
Cobalt-containing cathode will dominate EV and Storage applications within 10 years

- Benchmark Mineral Intelligence forecasts that the use of cobalt in batteries will **more than triple** between 2017 and 2026 – despite the shift to lower cobalt batteries during this timeframe
- Removing cobalt from both NCA and NCM technology is not easy and presents problems: **safety and cell life**
- Even if nickel-cobalt-manganese (NCM) 811 cathodes takes off, **overall impact would be limited**

Cathode Projections



NCM 811 Adoption Rate (2026)



Namibia: A Premier Mining Destination

A politically stable jurisdiction:

- Established regulatory structure
- Strong public and governmental support for mining
- Favourable tax considerations for producing downstream products in Namibia.

Exceptional infrastructure:

- Regional capital Opuwo boasts airport and hospital
- Sealed roads from Opuwo to Windhoek and Walvis Bay Port
- 320MW hydroelectric power station at Ruacana linked to 330kV power grid



Opuwo Project Overview

100km+ of Co-Cu prospective horizon

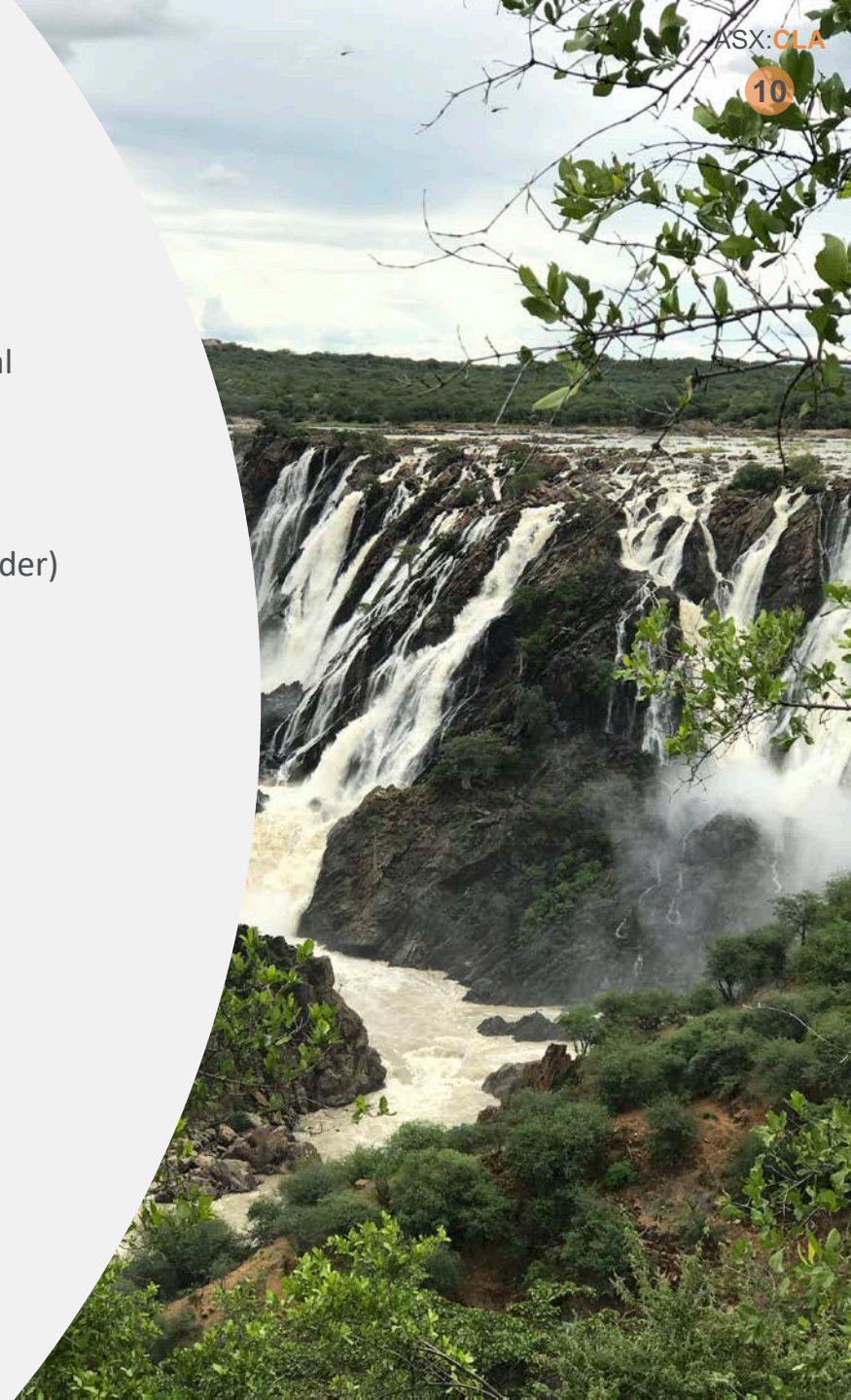
95% owned and 5% loan-carried share with local Namibian group

6.12% owned by Gecko Namibia (largest shareholder)

1,470 km² total project area

~10km strike of existing resource zone

**66kV &
33kV** existing power lines



Mineralisation

Mineralisation is low in deleterious elements

- The JORC Compliant Mineral Resource estimate comprises **112.4 Mt** at **0.11% Co**, **0.41% Cu** and **0.43% Zn** – cutoff grade of 0.06% (or 600 ppm) Co
- The Mineral Resource estimate represents *contained cobalt* of **126,100 tonnes** and consists of:
 - **Indicated: 72.0 Mt** at **0.11% Co**, **0.42% Cu** and **0.41% Zn**
 - **Inferred: 40.5 Mt** at **0.12% Co**, **0.41% Cu** and **0.46% Zn**
- **Key feature of Opuwo: +95%** of the Mineral Resource is comprised of the fresh sulphide ore type
- Mineralised zones are **open in all directions** with excellent scope for expansion with further drilling
- Mineralisation hosted in Neoproterozoic sediments of the **Kaoko Belt** (the western extension of the Copper Belt in DRC and Zambia)



Typical Mineralised Zone Drill Chips

Maiden JORC Mineral Resource Tables

Reported in April, 2018

JORC Compliant Indicated and Inferred Mineral Resource

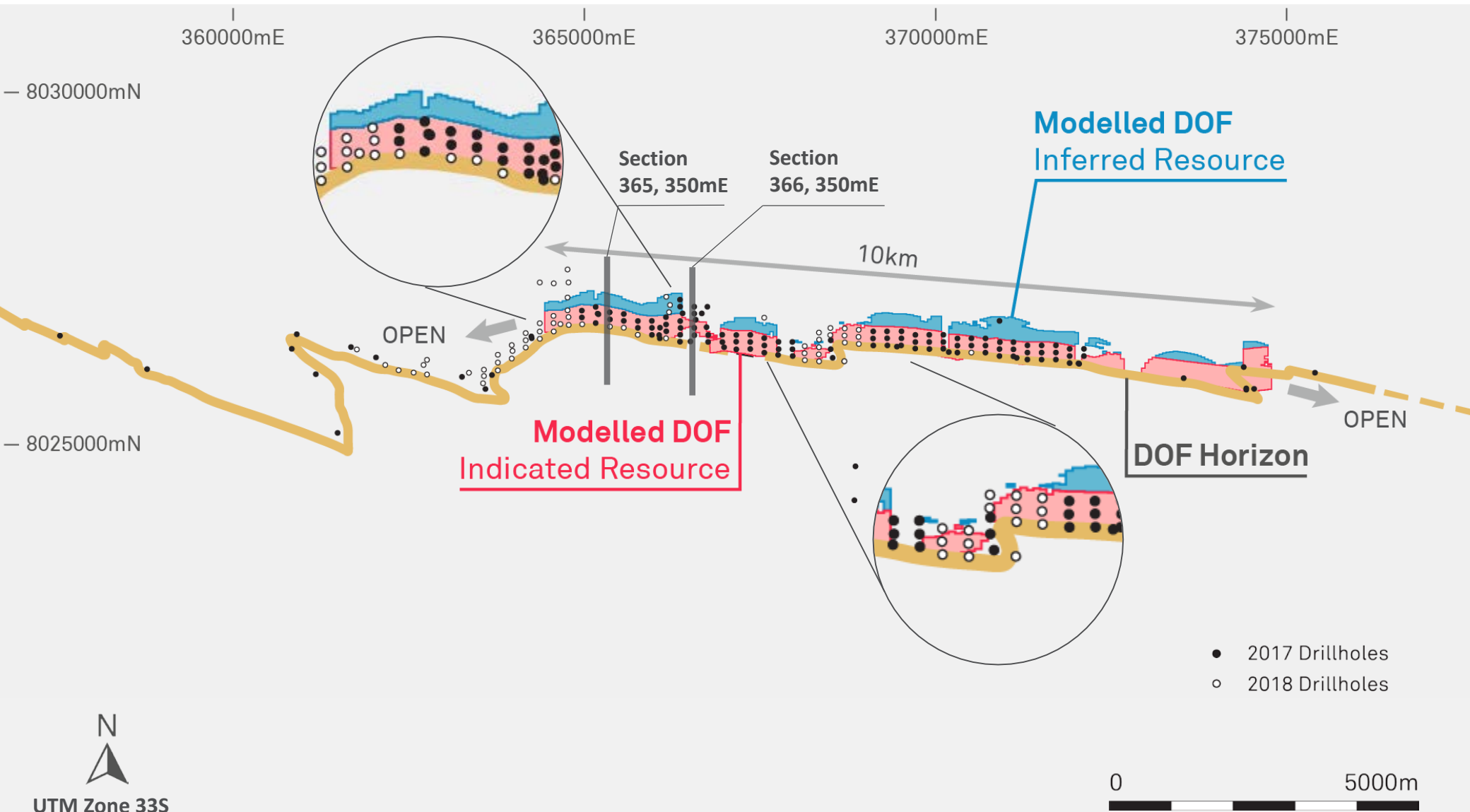
CATEGORY	ORE TYPE	COBALT CUT-OFF (PPM)	TONNAGE (MT)	COBALT (%)	COPPER (%)	ZINC (%)	CONTAINED COBALT (T)
Indicated	Oxide	600	3.8	0.10	0.39	0.36	3,900
	Transition - Sulphide	600	1.6	0.10	0.42	0.38	1,700
	Fresh - Sulphide	600	66.5	0.11	0.42	0.41	73,700
TOTAL INDICATED		600	72.0	0.11	0.42	0.41	79,300
Inferred	Fresh - Sulphide	600	40.5	0.12	0.41	0.46	46,900
TOTAL		600	112.4	0.11	0.41	0.43	126,100

JORC Compliant Indicated and Inferred Mineral Resources at Various Cobalt Cut-off Grades

COBALT CUT-OFF (PPM)	TONNAGE (MT)	COBALT (%)	COPPER (%)	ZINC (%)	CONTAINED COBALT (T)
0	294.4	0.06	0.24	0.33	177,100
200	238.7	0.07	0.28	0.37	169,100
400	146.7	0.10	0.37	0.41	142,800
600	112.4	0.11	0.41	0.43	126,100
800	87.9	0.12	0.44	0.44	109,100
1000	66.4	0.14	0.46	0.45	89,700
1200	44.7	0.15	0.49	0.46	66,000
1400	24.6	0.16	0.50	0.47	40,000
1600	9.6	0.19	0.46	0.45	17,900
1800	5.5	0.20	0.45	0.42	10,900
2000	3.1	0.21	0.45	0.34	6,300

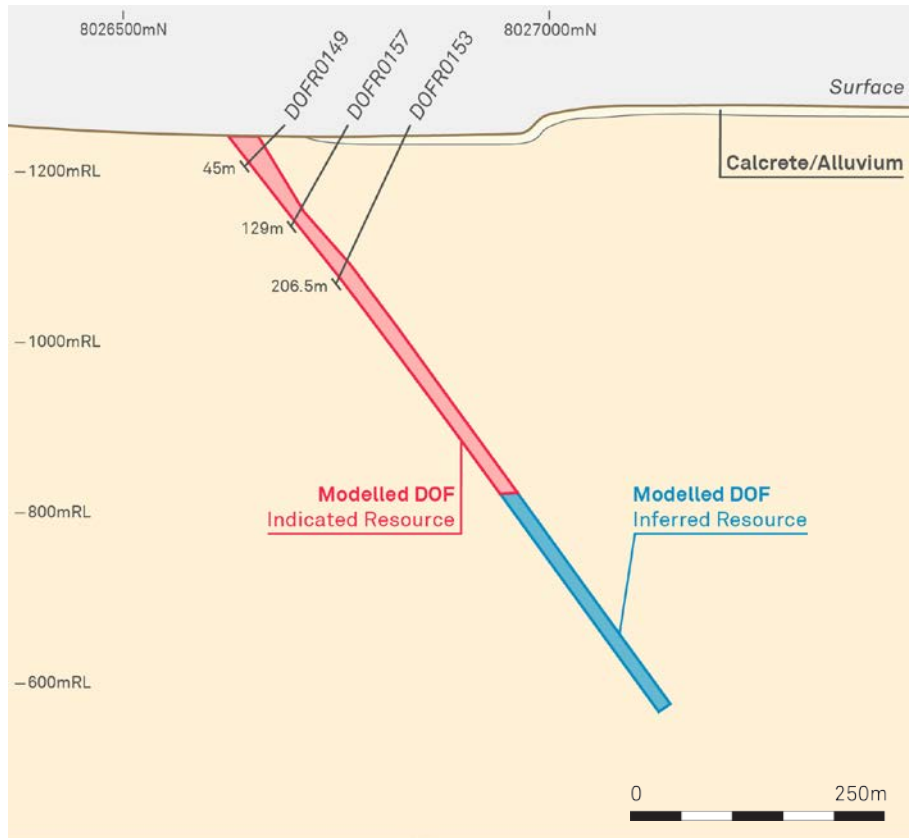
* Note that minor rounding errors occur in these tables.

2017-18 Drilling

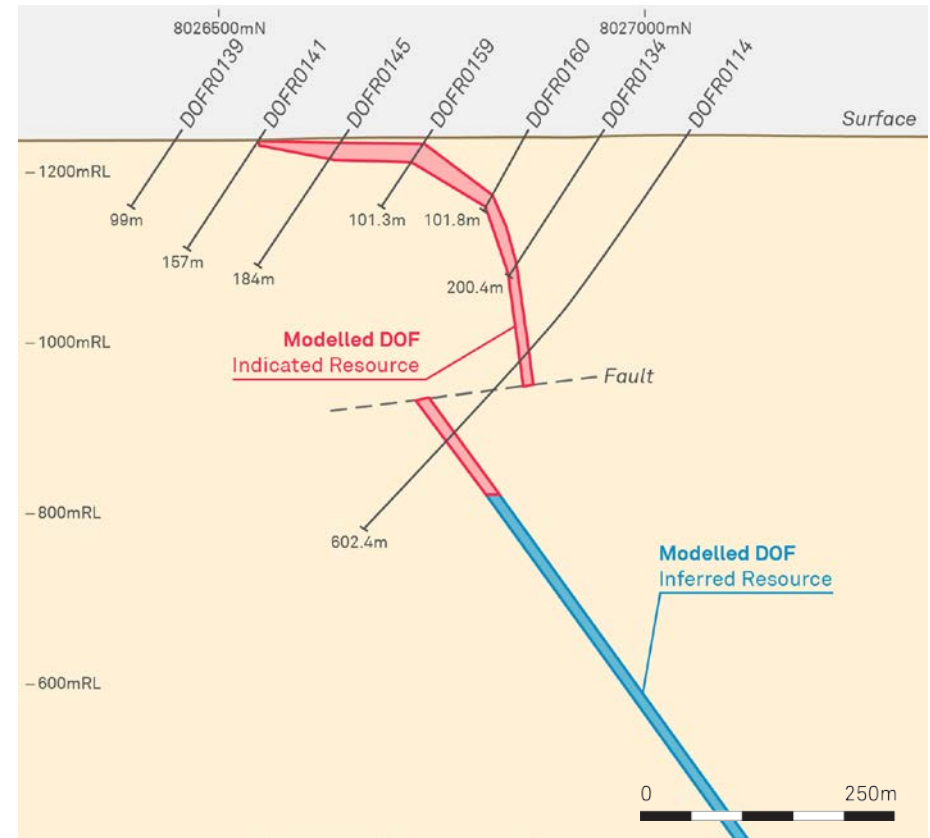


Cross Sections

Cross Sectional View – Section 365,350mE

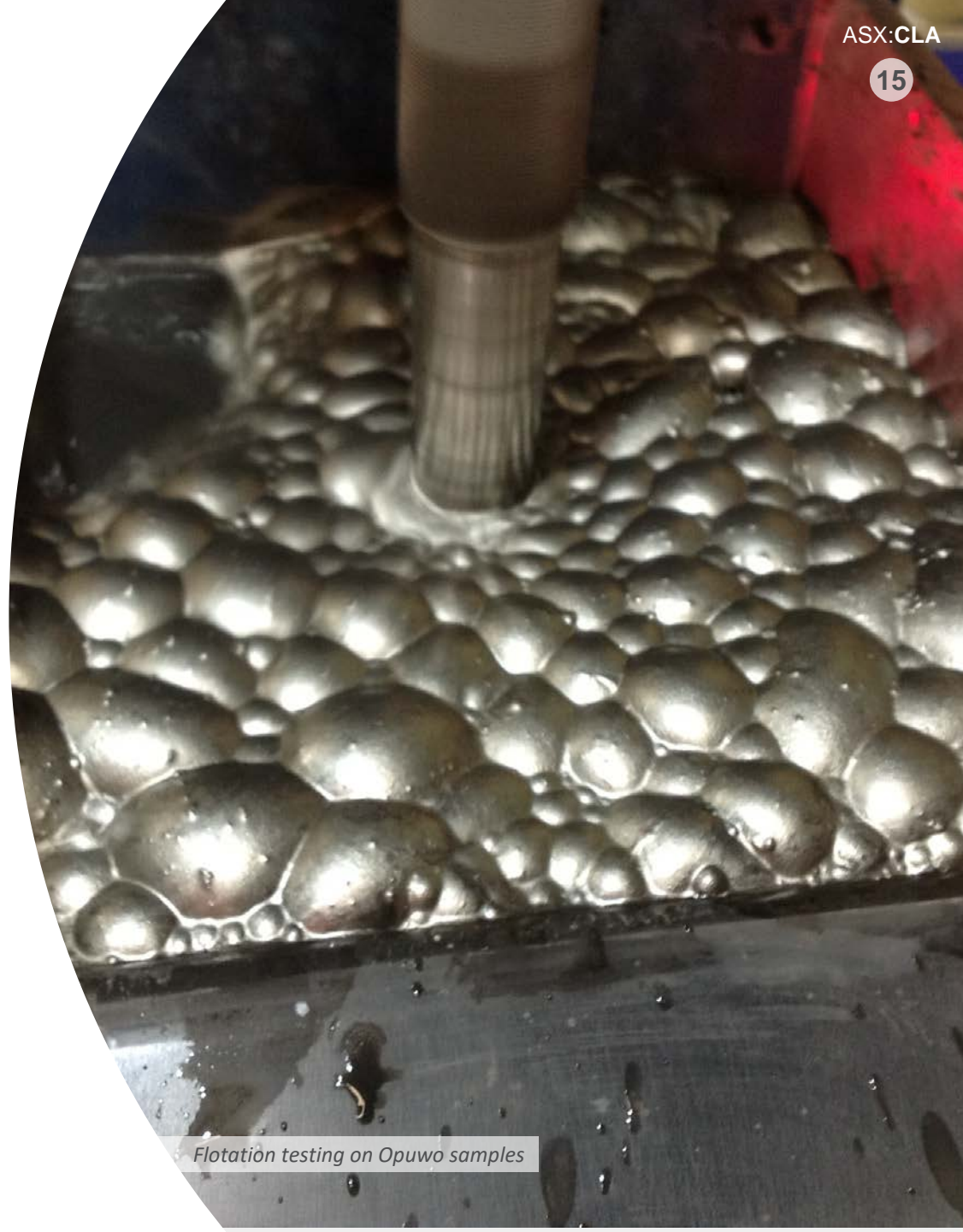
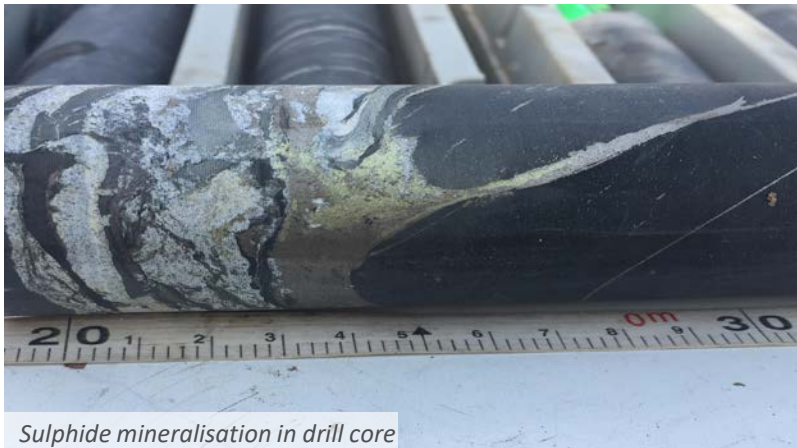


Cross Sectional View – Section 366,350mE



Simple, Sulphide-Hosted Mineralogy

- Mineralisation is predominantly linnaeite (cobalt), chalcopyrite (copper) and sphalerite (zinc) plus iron sulphides (pyrite/pyrrhotite)
- Flotation testing showed up to **88%** of cobalt recoverable into sulphide concentrate
- Closed circuit flotation recoveries of **80%** at a concentrate grade of up to **1.5%** cobalt
- Further optimisation work planned to improve recoveries and grades, and therefore the feed to the planned integrated downstream refinery



High Leach Extraction of Cobalt, Copper & Zinc

Cobalt, Copper and Zinc Extraction:

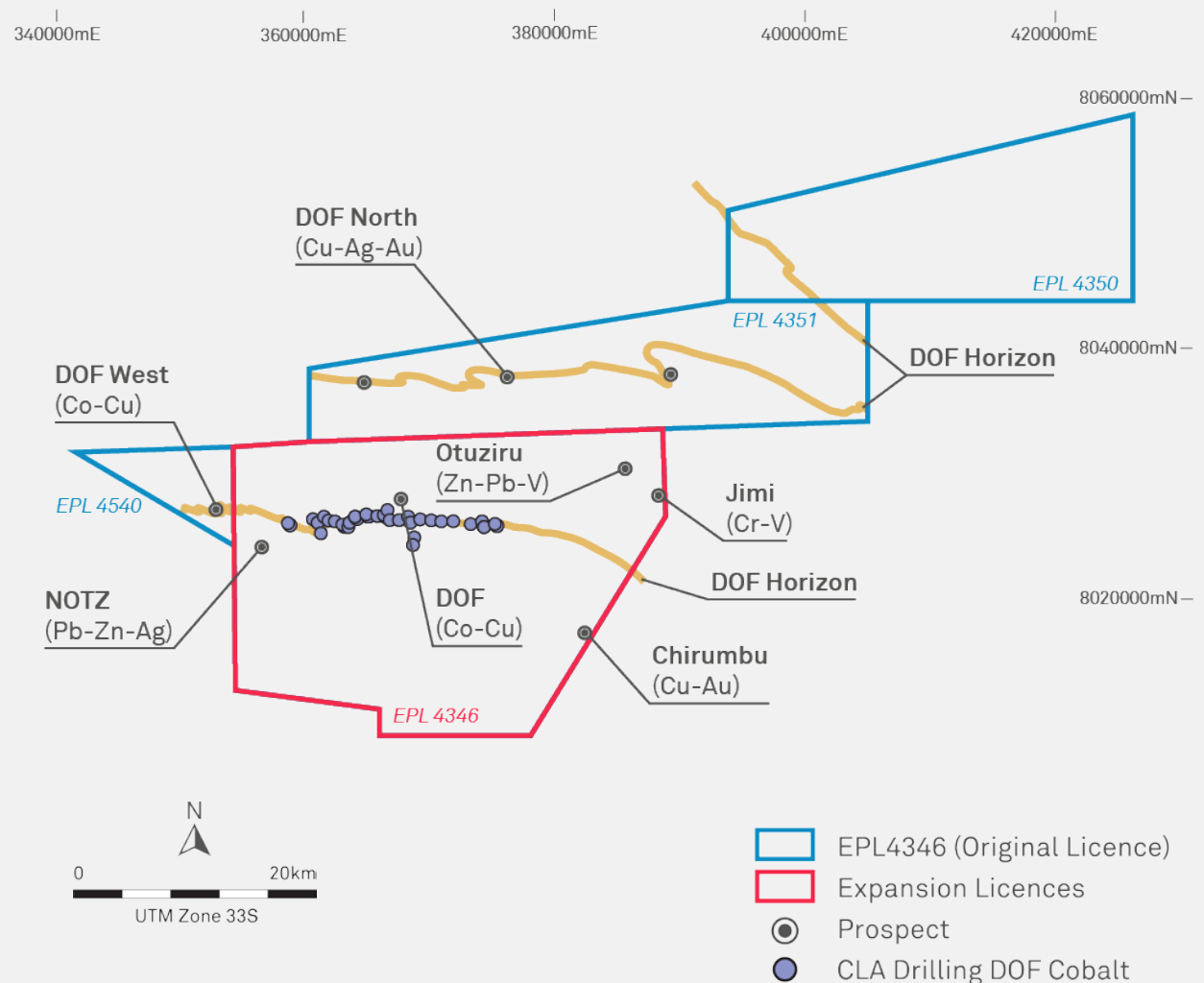
- Employing an ~**1% - 1.58%** cobalt grade flotation concentrate, 19 different leach regimes were explored
- Extraction in the current preferred autoclave oxidative leach was approximately **93% for cobalt, 92% for copper and 100% for zinc**, at a temperature of **95°C** and **300 kPa** oxygen pressure
- Relatively low leach extraction of iron (26%) and sulphur (41%)
- Patent application has been submitted for the process – targets preferential leaching of value metals (cobalt, copper and zinc) over iron sulphides
- Process optimisation is ongoing
- Classical processes of copper SX-EW (Solvent extraction, electrowinning) and cobalt sulphate crystallisation expected to be employed to produce downstream products

Copper Cathodes

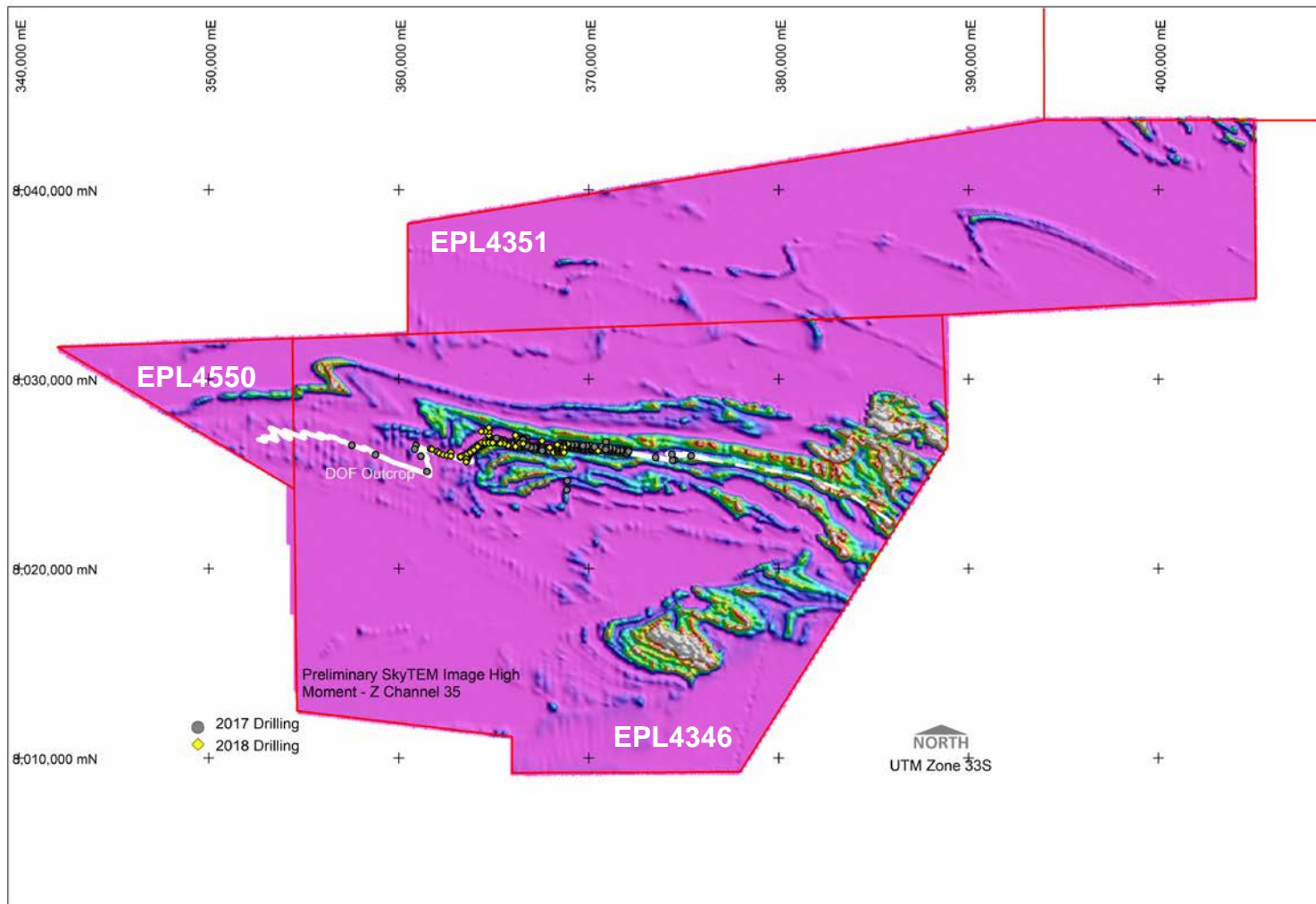


Large-Scale Cobalt-Copper Targets

- Aim of broader exploration in licence package is to find the potential **source sulphide zone** feeding the system within the project area
- Maiden JORC Mineral Resource defined over **10 km** strike
- Mineralisation intersected over a **15 km** zone in initial Celsius drilling, confirmed by assays
- Over **100 km** of prospective strike
- Potential for additional mineralised zones adjacent and parallel to known mineralisation
- Outcrops at surface
- Low in deleterious elements (As, Cd, U)
- Cobalt present as linnaeite (Co sulphide)
- Other targets: Zn-Pb-V, Cu-Au, Cr-V, Pb-Zn-Ag



SkyTEM Survey Completed



- Covering all known prospects at Opuwo, including DOF resource area, DOF North targets, and potential source zones for the **extensive sulphide mineralisation**
- **200 metre** line spacing
- **6,090 line km** total
- Flying complete – final data and target report due in September.

Scoping Study Underway – Key consultants appointed

Project Development Manager: Edward Legg

The logo for SGS, featuring the letters 'SGS' in a bold, black, sans-serif font. A thin orange vertical line is positioned to the right of the 'S', and a thin orange horizontal line is positioned below the 'S'.

Metallurgy



Metallurgy, CAPEX/OPEX Estimates



Mining Studies



Resource Modelling
and Estimation



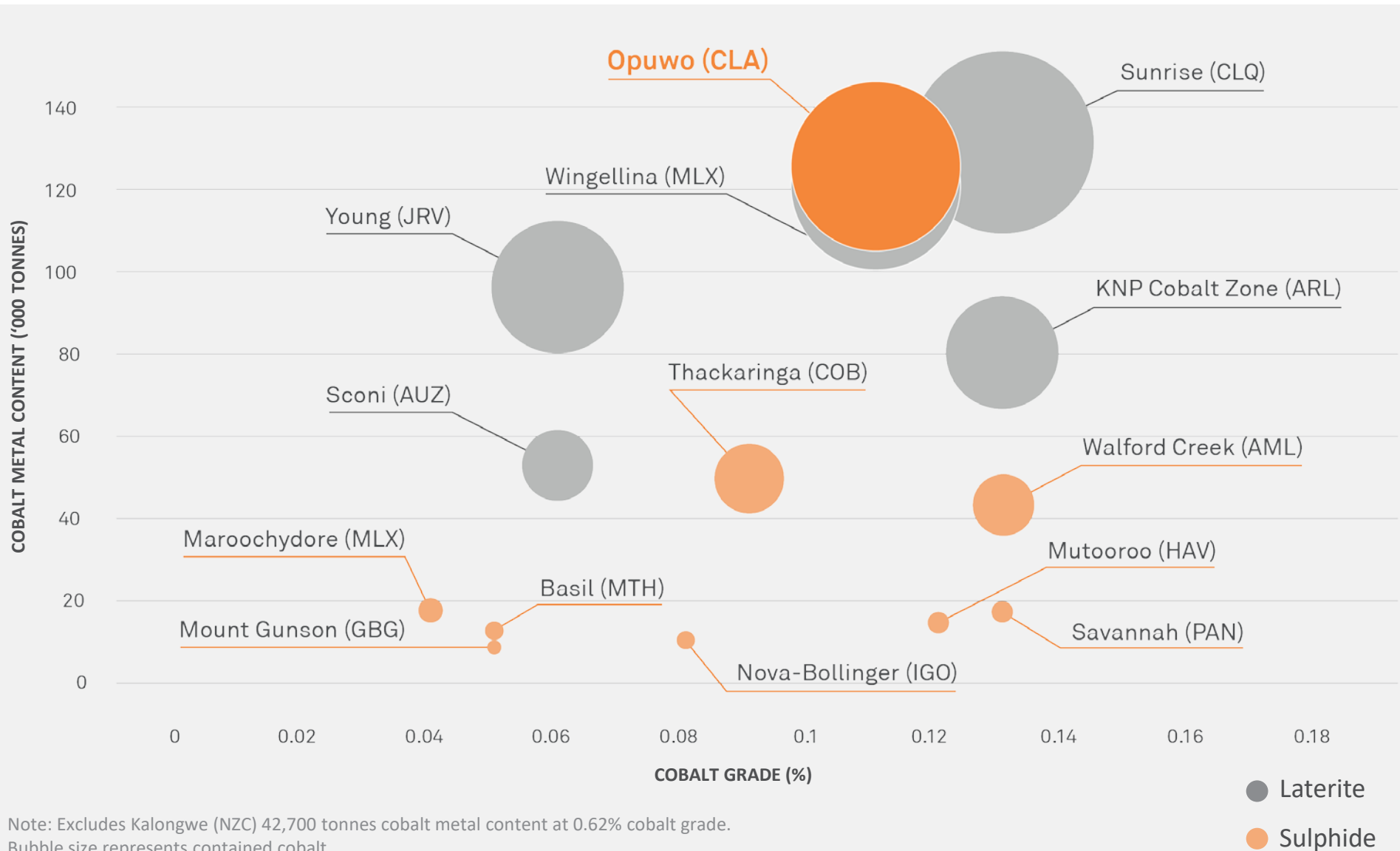
Environmental, water
and social studies

Scoping Study targeted
for early Q4 2018

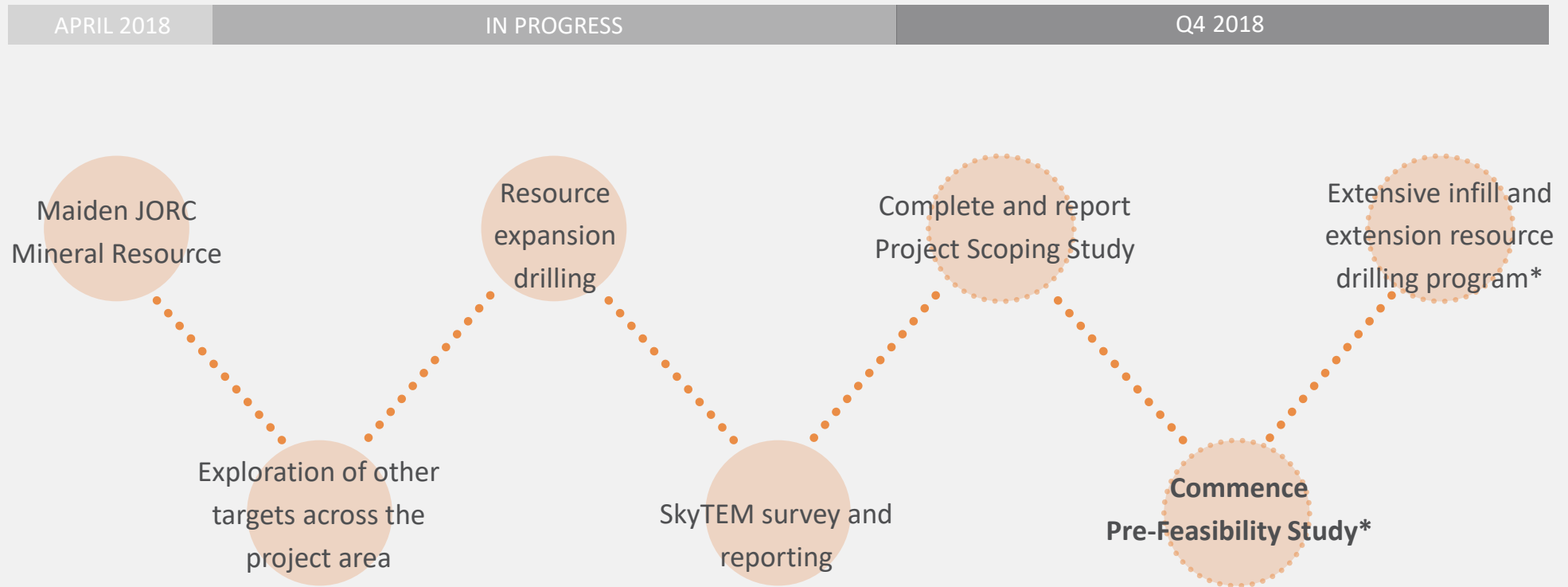
PFS to follow

Peer Comparison

Opuwo compares favourably to other sulphide and laterite projects



Timeline and Upcoming Catalysts



* Assuming positive Scoping Study outcome

Competent Persons Statement

Information in this report relating to Exploration Results is based on information reviewed by Mr. Brendan Borg, who is a Member of the Australasian Institute of Mining and Metallurgy and Managing Director of Celsius Resources.

Mr. Borg has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined by the 2012 Edition of the Australasian Code for reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr. Borg consents to the inclusion of the data in the form and context in which it appears. The Exploration Results are based on standard industry practices for drilling, logging, sampling, assay methods including quality assurance and quality control measure as detailed in the ASX announcements referred to in this presentation.

Information in this report relating to Mineral Resource Estimates is based on information prepared by Mr. Dexter Ferreira, who is a Member of the South African Council for Natural Scientific Professions, which is a Recognised Professional Organisation (RPO).

Mr. Ferreira is a Contract Resource Specialist for DMT Kai Batla Pty. Ltd., who act as Resource Consultants to Celsius. Mr. Ferreira has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined by the 2012 Edition of the Australasian Code for reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr. Ferreira consents to the inclusion of the data in the form and context in which it appears.





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