



# Aus Tin Mining

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## August 2020

Investor Presentation

# Cautionary Statement

## Forward Looking Statement

This presentation may contain certain statements and projections provided by or on behalf of Aus Tin Mining Limited (Aus Tin Mining) with respect to the anticipated future undertakings. These forward-looking statements reflect various assumptions by or on behalf of Aus Tin Mining. Accordingly, these statements are subject to significant business, economic and competitive uncertainties and contingencies associated with exploration and/or mining which may be beyond the control of Aus Tin Mining which could cause actual results or trends to differ materially, including but not limited to price fluctuations, exploration results, reserve and resource estimation, environmental risks, physical risks, legislative and regulatory changes, political risks, project delay or advancement, ability to meet funding requirements, factors relating to property title, native title and aboriginal heritage issues, dependence on key personnel, share price volatility, approvals and cost estimates. Accordingly, there can be no assurance that such statements and projections will be realised. Aus Tin Mining makes no representations as to the accuracy or completeness of any such statement of projections or that any forecasts will be achieved.

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Nothing in this material should be construed as either an offer to sell or a solicitation of an offer to buy or sell securities. It does not include all available information and should not be used in isolation as a basis to invest in Aus Tin Mining Limited.

## Material Assumption

The material assumptions which support the Taronga Ore Reserve Estimate, Production Targets and the forecast financial information derived from the Production Targets are disclosed in the body of the ASX announcement referred to in this Presentation, with the exception of commercially sensitive information.

## Competent Persons Statement

The information in this presentation that relates to Exploration Targets and Exploration Results is based on information compiled by Mr Nicholas Mather B.Sc (Hons) Geol., who is a Member of The Australian Institute of Mining and Metallurgy. Mr Mather is employed by Samuel Capital Pty Ltd, which provides certain consultancy services including the provision of Mr Mather as a Director of Aus Tin Mining. Mr Mather has more than five years experience which is relevant to the style of mineralisation and type of deposit being reported and to the activity, which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Minerals Resources and Ore Reserves' (the JORC Code). This public report is issued with the prior written consent of the Competent Person(s) as to the form and context in which it appears.

The information in this Announcement that relates to Mineral Resources is based on information extracted from the report entitled "Maiden JORC Resource Estimated for the Taronga Tin Project" created on 26th August 2013 and is available to view on [www.austinmining.com.au](http://www.austinmining.com.au). Aus Tin Mining confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcement.

In the information in this Announcement that relates to Ore Reserves is based on information extracted from the report entitled "Pre-Feasibility Advances the Taronga Tin Project" created on 7th April 2014 and is available to view on [www.austinmining.com.au](http://www.austinmining.com.au). Aus Tin Mining confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcement.

The information relating to the Mineral Resources at the Ashford Coking Coal Project is extracted from the Laneway Resources Limited (LNY) ASX Announcement as follows: ASX Announcement titled: 'Ashford Coking Coal Project - Increased Resource' dated 20 November 2017. The report is available to view on the Laneway Resources website [www.lanewayresources.com.au](http://www.lanewayresources.com.au). The report was issued in accordance with the 2012 Edition of the JORC Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves, and also "Australian Guidelines for the Estimation and Classification of Coal Resources, (2014)". Aus Tin Mining confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and, in the case of estimates of Mineral Resources or Ore Reserves that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed. Aus Tin Mining confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcement.



## Aus Tin Mining (ASX:ANW) – Investment Rationale

Investment Rationale based on:

- Leverage to global economic recovery through metallurgical coal
- Leverage to exploration hotspot in Lachlan Fold Belt
- Leverage to minerals for future electrification (tin, copper, cobalt, nickel)

Strengthening balance sheet

Significantly undervalued and seeking uplift via new strategy

# Corporate Overview

## Capital Structure

**Market Capitalisation:** A\$3.05M  
(share price \$0.001/share)

**Shares on Issue:** 3,052M

Major shareholders DGR Global (11.9%), Hamman (9.0%), Australian Mineral Investments (8.4%);  
Directors & Management (5.3%)

Debt: Outstanding A\$2.3M  
Convertible Note (repaid \$2.2M)

## Directors & Management

**Brian Moller** Non-Exec Chairman

**Nicholas Mather** Exec-Director

**Richard Wilson** Non-Exec Director

**Peter Williams** CEO

**Karl Schlobohm** Company Secretary

## Key Projects

**Ashford Coking Coal Project (NSW)**  
existing JORC Resource and  
proceeding with development

**Lachlan Copper (NSW)** farm-in  
prospective for Cu-Au porphyry

**Taronga Tin Project (NSW)**  
approved and ready for Stage 1  
mining

**Mt Cobalt / Pembroke (QLD)**  
targeting high-grade cobalt and  
Ni-Co sulphides

## 2020 Strategy - four point plan targeting improved shareholder value

### Diversify commodity base

Proposed Farm-In at Lachlan Fold Belt (copper-gold) announced

Proposed acquisition of Ashford Coking Coal Project announced

### Leverage existing assets

Proposed drilling at Taronga (tin-silver-copper) for updated feasibility & inventory

Further work at Mt Cobalt / Pembroke

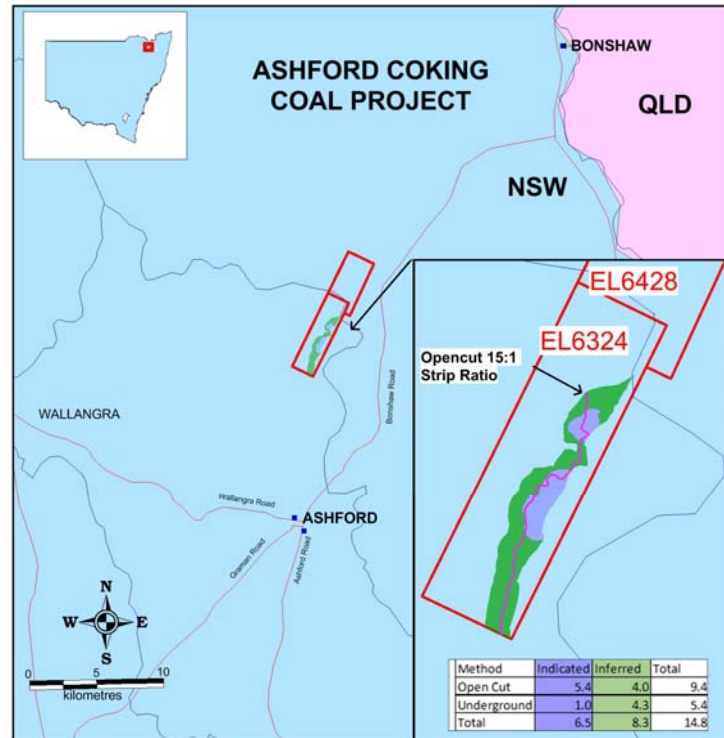
### Simplify portfolio with exploration & development focus

Divest Granville

### Strengthen balance sheet

Repay / refinance existing con-note

# Leverage to global economic recovery through metallurgical coal



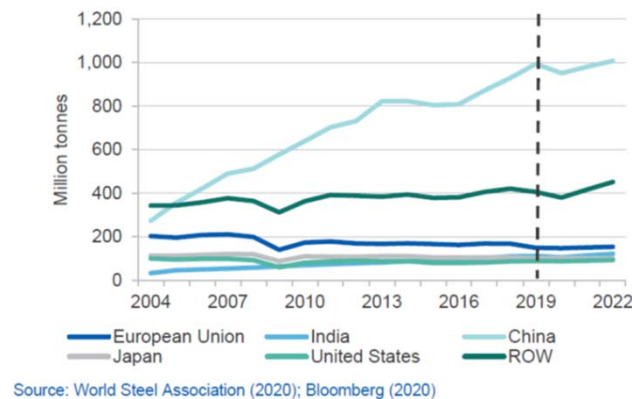
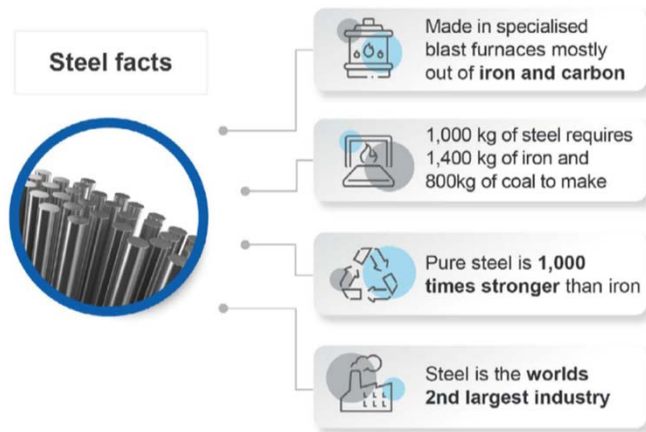
Ashford Coking Coal Project location map and JORC resource table  
Source: Laneway Resources Limited

- Drivers for acquisition of Ashford Coking Coal Project (northern NSW)
  - Exposure to global economic recovery via steel production / metallurgical coal
  - Existing JORC resource and coal quality studies indicate resource could qualify as semi-hard coking coal<sup>1</sup>
  - Ashford coal measures comprise 80km basin from QLD border to Inverell providing exploration upside
  - Inland Rail opens up alternative route for delivery of coal to export port
  - Located approx. 50km from Taronga Tin Project where ANW has fully permitted Stage 1 mining and processing project

<sup>1</sup> Refer ASX Announcement dated 31 July 2020



# Why coking (metallurgical) coal – because the world needs steel



- No commercial substitute for metallurgical coal in steel production
- Australia dominates global production of metallurgical coal (54 percent global exports)
- World steel consumption forecast to rebound by 5.0% in 2021 and 4 percent in 2022 as global economy recovers

Steel Fact and Forecast Steel Consumption  
Source: Office of Chief Economist, [www.industry.gov.au/REQ](http://www.industry.gov.au/REQ)

## Next steps – feasibility / Mining Lease Application



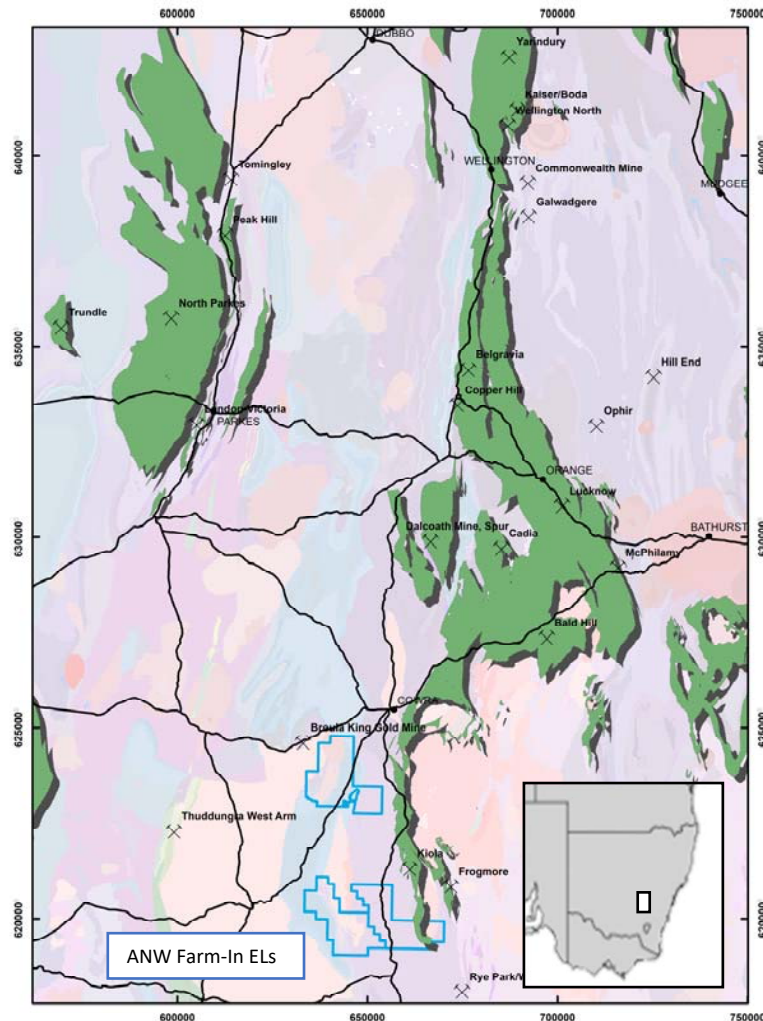
Overview of historic open pit at Ashford Coking Coal Project

- Complete initial 40 percent acquisition<sup>1</sup>
  - Complete Conditions Precedent by 31/10/20
  - Progress feasibility / advancing Mining Lease Application
  - 3 Year option to acquire remaining 60 percent
- Feasibility study to evaluate economics including:
  - conventional open-cut / highwall mining methods
  - Transport options including road/rail to Brisbane/Newcastle
  - Potential for ore-sorting vs washing based on recent positive ore-sorting test work
  - Finalise land use verification to avoid expensive and time consuming NSW approvals process

<sup>1</sup> While the Company has entered into a binding term sheet with Laneway, and is committed to completing the Ashford Transaction as soon as possible, both Stage 1 and Stage 2 of the Ashford Transaction are subject to conditions precedent which the Company cannot be certain that it will satisfy. These include with respect to Stage 1, the raising of \$1.2 million in cash and the conversion of \$1.66 million of debt into equity by no later than 31 October 2020; If the conditions precedent to either stage cannot be satisfied by the time stipulated and Laneway does not agree to an extension of the relevant deadline, the Company will not be able to pursue the Ashford Transaction. If the Company cannot pursue the Ashford Transaction the Company may not be able to attract further equity or debt funding



## Leverage into exploration hotspot in Lachlan Fold Belt

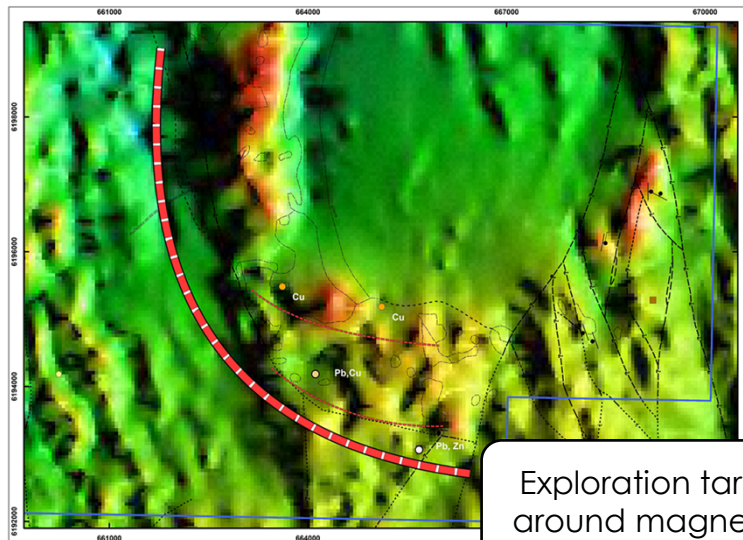


- Farm-in over three exploration licences prospective for both:
  - Cu-Au porphyry (hosted in Ordovician volcanics)
  - magmatic copper deposits, McPhillamys style gold deposits and VHMS base metal deposits (hosted in Silurian)
  - Opportunity to adopt accepted geological models and apply modern exploration tools to explore in area that hasn't been explored since the 1970s
- Successful exploration being undertaken in similar age rocks within the region
  - Alkane Resources - *Significant high grade gold copper mineralisation at Boda (23/3/20)*
  - Magmatic Resources - *MIMDAS Geophysics defines large "Cadia East - Style" Cu-Au porphyry (29/1/20)*
  - Sky Metals - *Outstanding Gold results at the Cullarin Project NSW (10/2/20)*

## Current exploration focussed on target Cu-Au porphyry



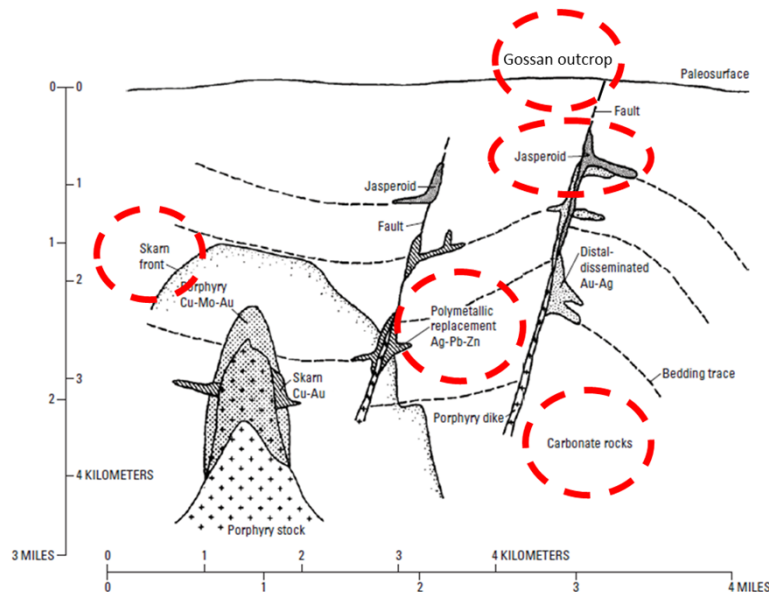
Outcropping copper mineralisation



Exploration target arcs around magnetic highs

- Narrallen (EL 8758) considered prospective for Cu-Au porphyry mineralisation based on
  - outcropping metal zonation (copper, lead / zinc),
  - coincident elevated magnetics and
  - prospective host rocks (Ordovician)
- Recent work includes
  - Digitisation of historical datasets
  - Two site visits to complete land access agreements and conduct initial field reconnaissance
  - Rock chip samples collected and submitted for analysis
  - 3D modelling of the available magnetics data commissioned to ascertain the depth of selected magnetic targets at Narrallen

## Next steps – establishing vectors for porphyry target



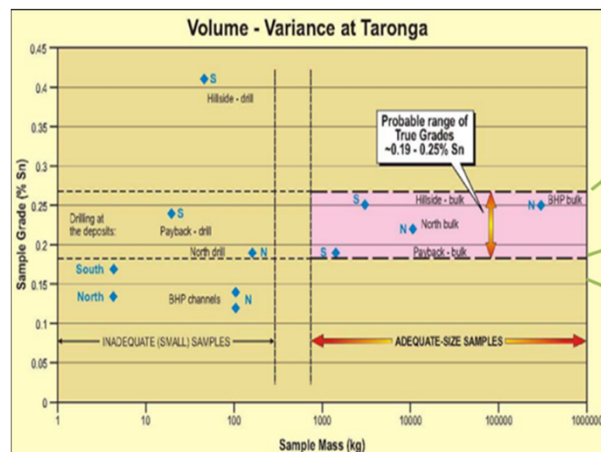
General Setting of porphyry copper and associated deposit types  
(from USGS Scientific Investigations report 2010-5070-B)

- Complete Farm-In documentation<sup>1</sup>
- Exploration Program for Year 1 at Narrallen
  - Further geophysics using existing regional data
  - Digitise historic stream sediment data
  - Potential shallow drilling program to provide Geochem data and sample source for petrological study
  - Utilise above data to establish potential vectors for next stage (deeper) drilling
- Koorawatha (EL 8740) & Murringo (EL8757)
  - Digitise historic Geochem & geophysics data
  - Progress land access agreements

<sup>1</sup> Whilst the Company has entered into a non-binding term sheet with Lachlan Copper setting out commercial terms for a farm-in on three exploration licences (ELs) held by Lachlan Copper, south of Orange in the Lachlan Fold Belt, it remains in negotiations with Lachlan Copper with respect to legally binding transaction documents. If the Company is unable to enter into a binding farm-in agreement, then the Company will not be able to pursue the transaction.

## Leverage to minerals for future electrification – Taronga (NSW)

*Taronga has significant value given its large tin, copper & silver resource base<sup>1</sup> and resourcing allocation is set to return to this world class asset. The 2014 Pre-Feasibility Study identified a pathway to creating further value and ANW will start with drilling to assess grade upside and by-product credits. The ultimate goal is to position Taronga as a long term, reliable supplier of non-conflict tin concentrate for delivery to semi-conductor and electronics market.*



Revenues calculated using tin price US\$21,000/t; AUD:USD 0.78

Probable range of true grades (source MiningOne Pty Ltd) and potential impact on tin production/revenue

Refer ASX Announcement dated 6<sup>th</sup> November 2017



Taronga – Development  
(Tin, Copper, Silver, Molybdenum, Rubidium)

<sup>1</sup> Refer Appendix 1 for further details



## Leverage to minerals for future electrification – Torrington (NSW)



Reids Prospect rock chip sample (assayed 5.79%Cu, 212g/t Ag, 1.24%Zn, 179ppm In and 0.11%Sn) with Taronga Tin Deposit in background

*ANW holds a dominant tenure position (450km<sup>2</sup>) over the historic Torrington mining field prospective for tin, silver, copper, tungsten. With an expanded knowledge of geological models for various styles of mineralisation, exploration will resume with a focus a selected number of key projects including Great Britain (tin/silver), Pound Flat (tin), McCowens (tungsten) and Reids (silver/ copper). By utilising historic data for these prospects ANW aims to deliver superior returns on in-ground exploration expenditure planned.*



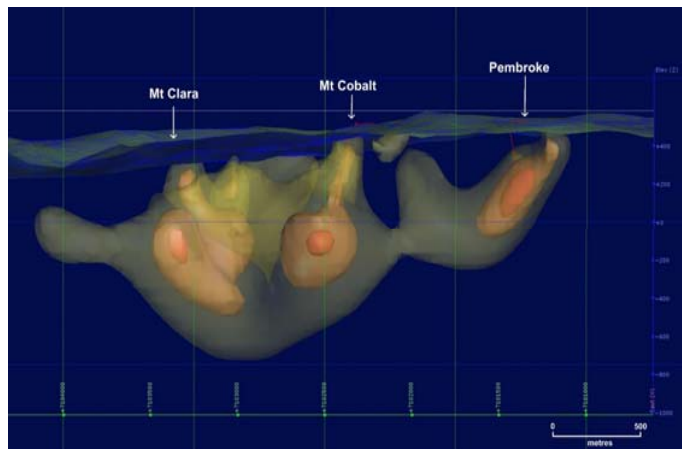


## Leverage to minerals for future electrification – Mt Cobalt / Pembroke (QLD)

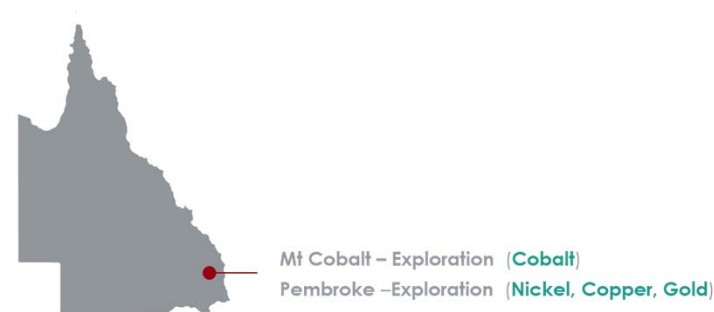


1.2%Co, 1.26%Ni drill core from COB031 (2018 Drill Program)

*At the peak of the cobalt-boom in 2018 excellent drilling results at Mt Cobalt enabled Aus Tin Mining to achieve a market capitalisation (briefly) over \$70 million highlighting the value of this asset. The next major phase of work will be to drill an untested magnetic anomaly at Mt Cobalt.*



3D model of magnetic susceptibility data at Mt Cobalt



## Simplify portfolio with emphasis on exploration & development

*Granville has proved a challenging asset and distracted from the Company's key value drivers at Taronga and Mt Cobalt. The proposed divestment of Granville will provide an opportunity for renewed emphasis on exploration and development and provide proceeds for re-investment into the business.*

## Strengthen balance sheet

*ANW previously announced its intention to undertake a rights issue that would include a mechanism for debt conversion. Furthermore the Company may use proceeds from a sale of Granville to pre-pay an outstanding amount of the Lind Facility.*

## Proposed work program for next 12 months (in order of priority, subject to funding)

### **Ashford Coking Coal Project**

- Feasibility studies and Mining Lease Application

### **Lachlan Fold Belt**

- Exploration to establish vectors for potential Cu-Au porphyry

### **Taronga**

- Drilling at Taronga to evaluate grade upside and by-product credits

### **Torrington**

- Exploration at Great Britain to increase regional tin inventory

## Additional Slides

# Summary of global tin market

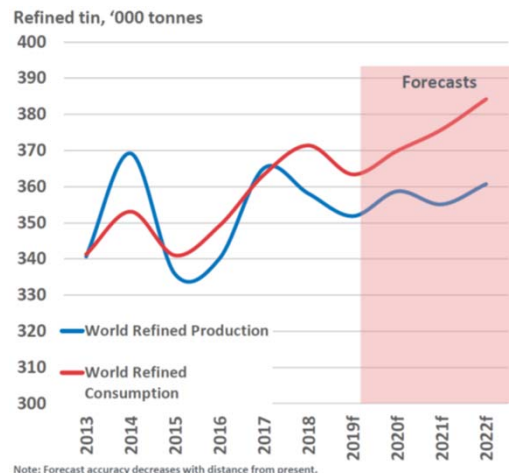
- Primary use in electronics, potential growth in EV batteries
- Global mine supply of tin concentrate contracting at present

## Tin Market fundamentals

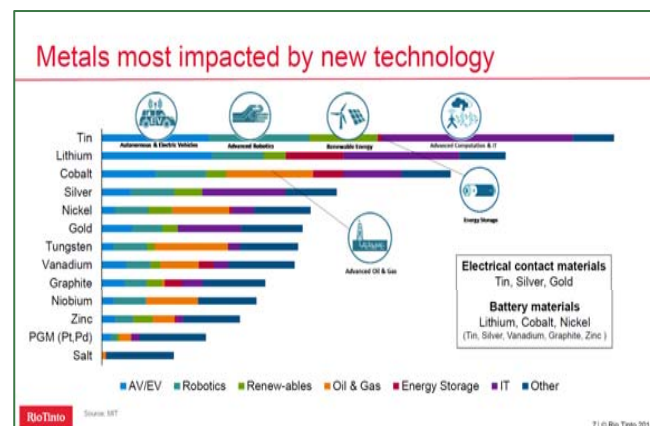
- Tin traded on LME & Shanghai exchanges (current inventory on official exchanges is circa 7.4kt, approx. 7 days supply)
- Tin price currently US\$17,700/t (12 month US\$13,400/t to US\$19,950/t)
- Global consumption in 2018 was approx. 370kt, approx. global deficit last four in five years
- Tin demand dominated by electronics (47%), chemicals (17%), tin-plate (15%) and lead-acid batteries (8%)
- Mine production dominated by Indonesia (26%), China (26%), Myanmar (21%), global supply of mine concentrate currently contracting due to reduced supply from Myanmar

## Tin a value metal with important role in future energy storage & generation

- In 2018 RioTinto identified tin as the metal most impacted by new technologies
- Long term correlation of tin & copper prices highlight potential opportunity with growing copper demand



Source: International Tin Association



Source: RioTinto



# Taronga Tin JORC Resource (reported 26 August 2013)

## Taronga Tin Deposit – Mineral Resource (JORC 2012) - Tin

0.1% Sn Cut-off Grade

	Indicated			Inferred			Total		
	Mt	%Sn	Tin Metal tonnes	Mt	%Sn	Tin Metal Tonnes	Mt	%Sn	Tin Metal tonnes
Northern Zone	19.3	0.16	30,800	7.7	0.12	9,300	27.0	0.15	40,100
Southern Zone	7.6	0.19	14,400	1.7	0.16	2,700	9.3	0.19	17,100
Total	26.9	0.17	45,200	9.4	0.13	12,000	36.3	0.16	57,200

## Taronga Tin Deposit – Mineral Resource (JORC 2012) - Copper

0.1% Sn Cut-off Grade

	Indicated			Inferred			Total		
	Mt	%Cu	Copper Metal tonnes	Mt	%Cu	Copper Metal Tonnes	Mt	%Cu	Copper Metal tonnes
Northern Zone	-	-	-	27.0	0.07	19,000	27.0	0.07	19,000
Southern Zone	-	-	-	9.3	0.08	7,400	9.3	0.08	7,400
Total	-	-	-	36.3	0.07	26,400	36.3	0.07	26,400

## Taronga Tin Deposit – Mineral Resource (JORC 2012) - Silver

0.1% Sn Cut-off Grade

	Indicated			Inferred			Total		
	Mt	Ag (g/t)	Silver Metal ounces (oz)	Moz	Ag (g/t)	Silver Metal ounces (oz)	Mt	Ag (g/t)	Silver Metal ounces (oz)
Northern Zone	-	-	-	27.0	3.8	3,300,000	27.0	3.8	3,300,000
Southern Zone	-	-	-	9.3	3.8	1,100,000	9.3	3.8	1,100,000
Total	-	-	-	36.3	3.8	4,400,000	36.3	3.8	4,400,000

# THANK YOU & CONTACT US

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