

# Focused on delivery of high-value metals critical to energy revolution

IMARC - 31 October 2018



#### **Important Information**

#### **Forward Looking Statement**

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#### **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**

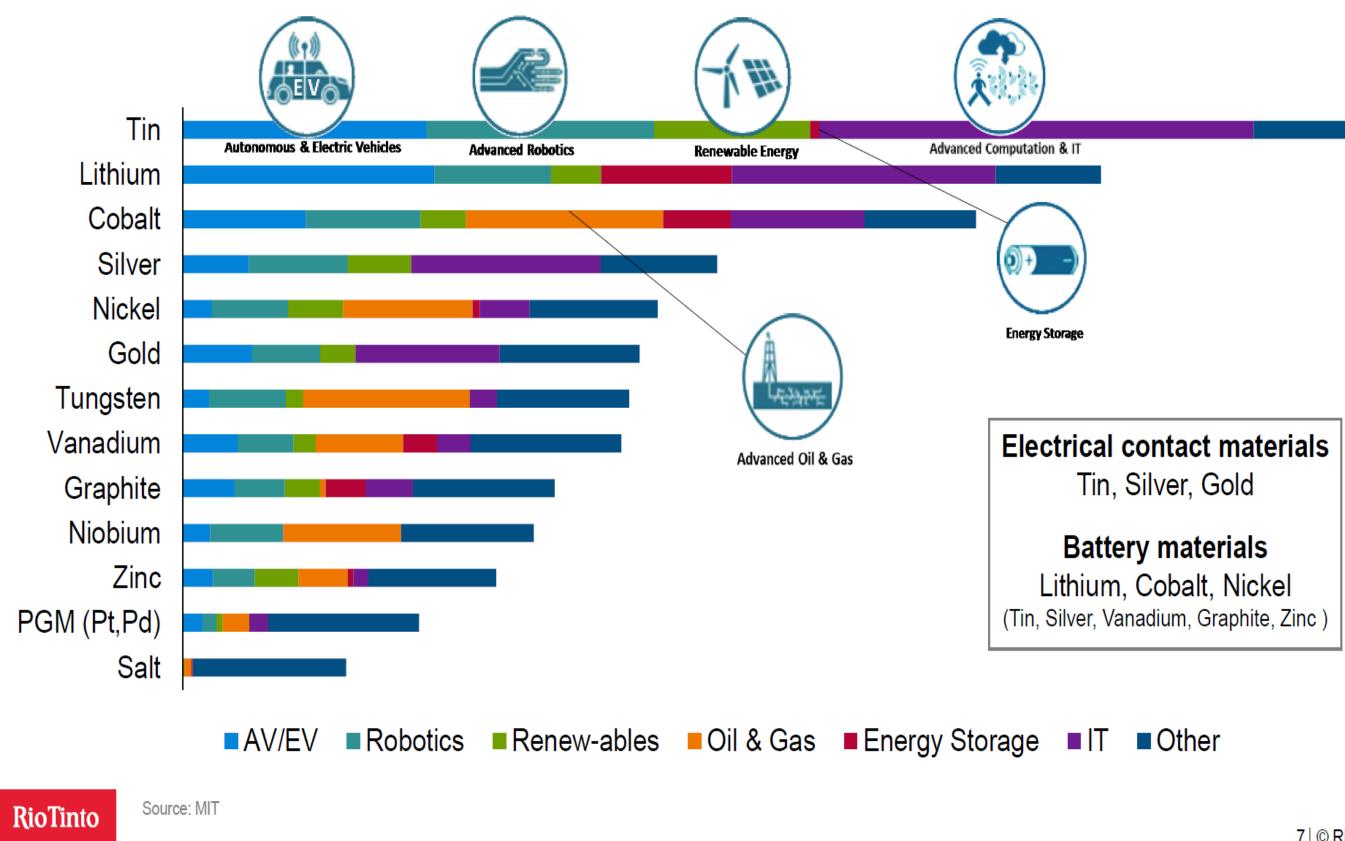
The information in this presentation that relates to Exploration Targets and Exploration Results is based on information compiled by Mr Nicholas Mather B.Sc (Hons) Geol., who is a Member of The Australian Institute of Mining and Metallurgy. Mr Mather is employed by Samuel Capital Pty Ltd, which provides 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 <u>www.austinmining.com.au</u> 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 <u>www.austinmining.com.au</u>. 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.



## Fundamentals for tin & cobalt are sound Underpinned by supply constraints and technology driven demand

## Metals most impacted by new technology



Source: Rio Tinto March 2018

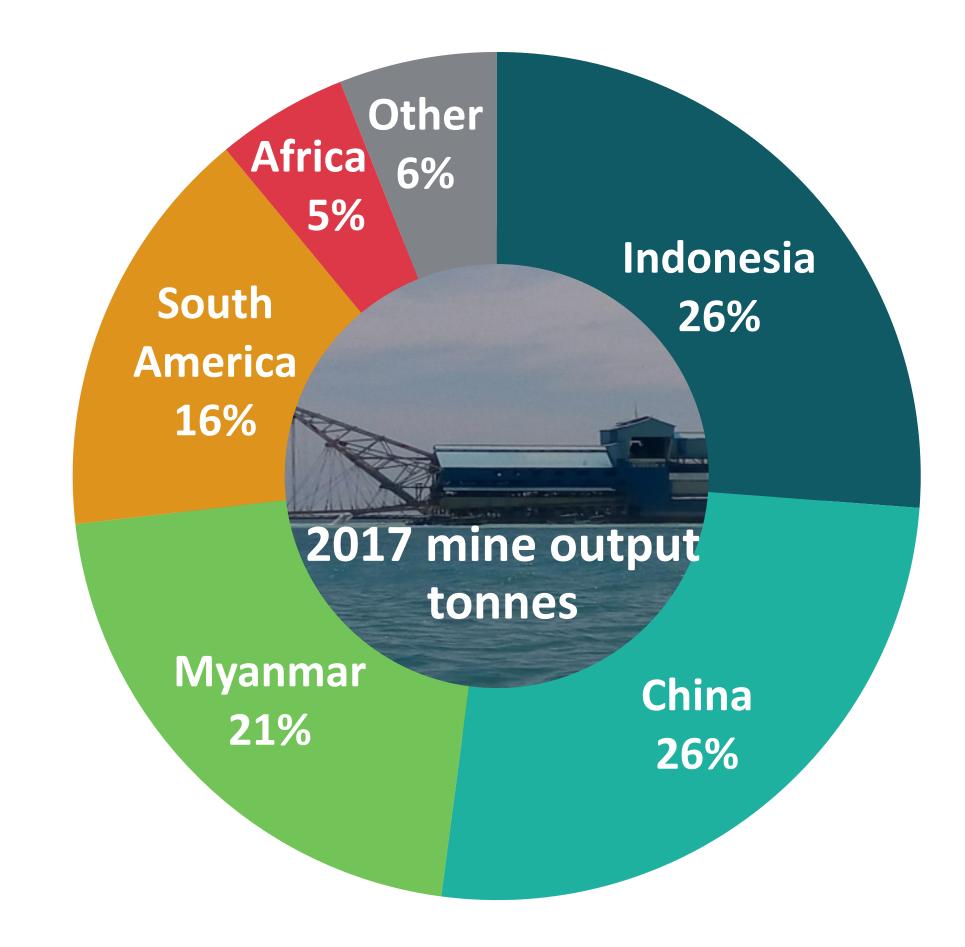


7 © Rio Tinto 2018



## **Investors have limited exposure to ASX listed tin companies**

**Global production dominated by China, Indonesia & Myanmar** 



Source: International Tin Association

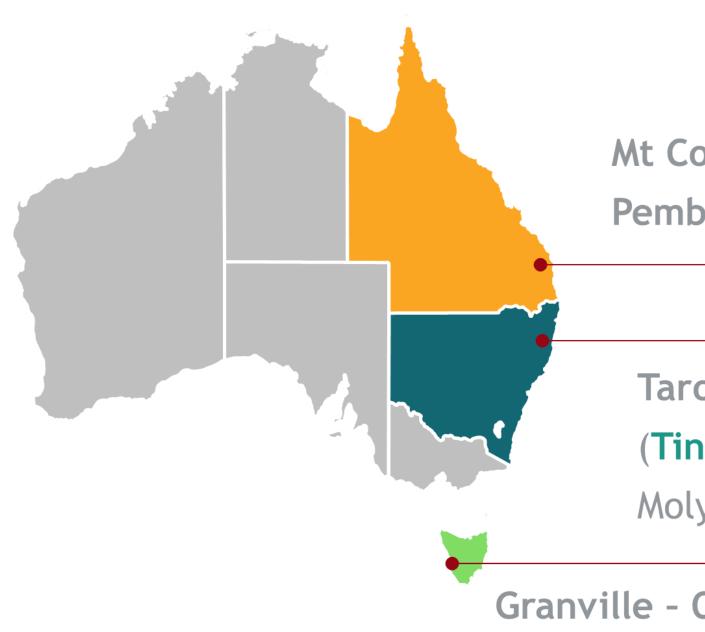
#### ~320,000 tonnes of tin mined in 2017



# Aus Tin Mining (ASX:ANW) – Who we are

#### Vision: to become major Australian tin producer and preferred tin stock of choice on the ASX

- Experienced Board & Management team well invested (8.5% of shares)
- Current market capitalisation of \$34M (based on closing price of \$0.017/share on 30/10/18)
- Portfolio of Australian projects across production, development and exploration



Mt Cobalt - Exploration (Cobalt) Pembroke - Exploration (Nickel/Copper)

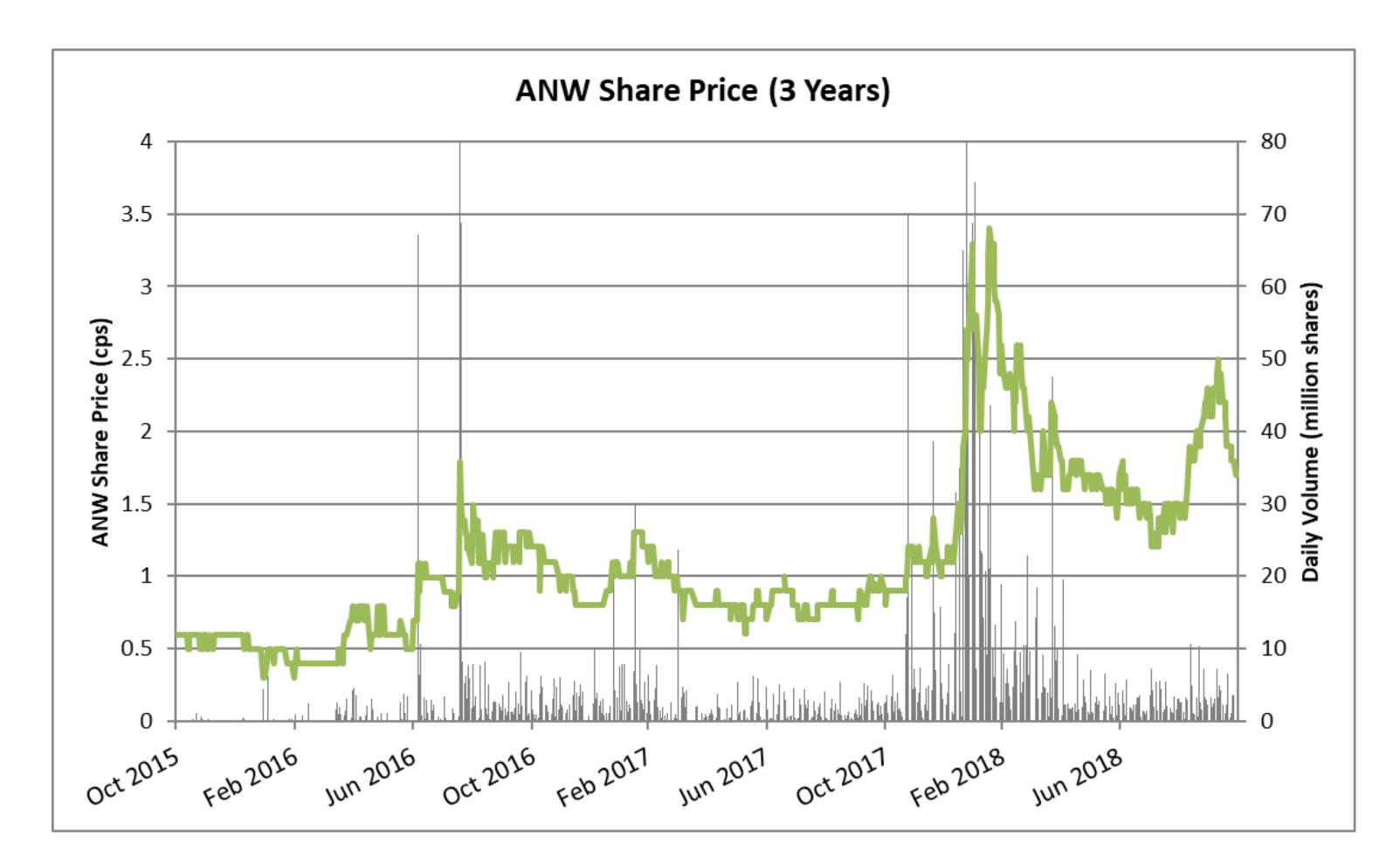
Taronga - Development (Tin, Copper, Silver, Tungsten, Molybdenum, **Lithium**, Rubidium)

Granville - Operational (Tin)



#### ANW generating strong growth for investors

#### Over past three years ANW has outperformed peer group underpinned by an active program of work across Company's portfolio





## **Granville Tin Project (TAS) – IN PRODUCTION** Transitioning to expanded operation to generate cash flow



Waste benches at Granville East Mine



Blast hole drill rig the Granville East Mine



Trial shipment confirms high grade (60%Sn) concentrate

#### High Grade Open Cut - 1.4%Sn based on historical production

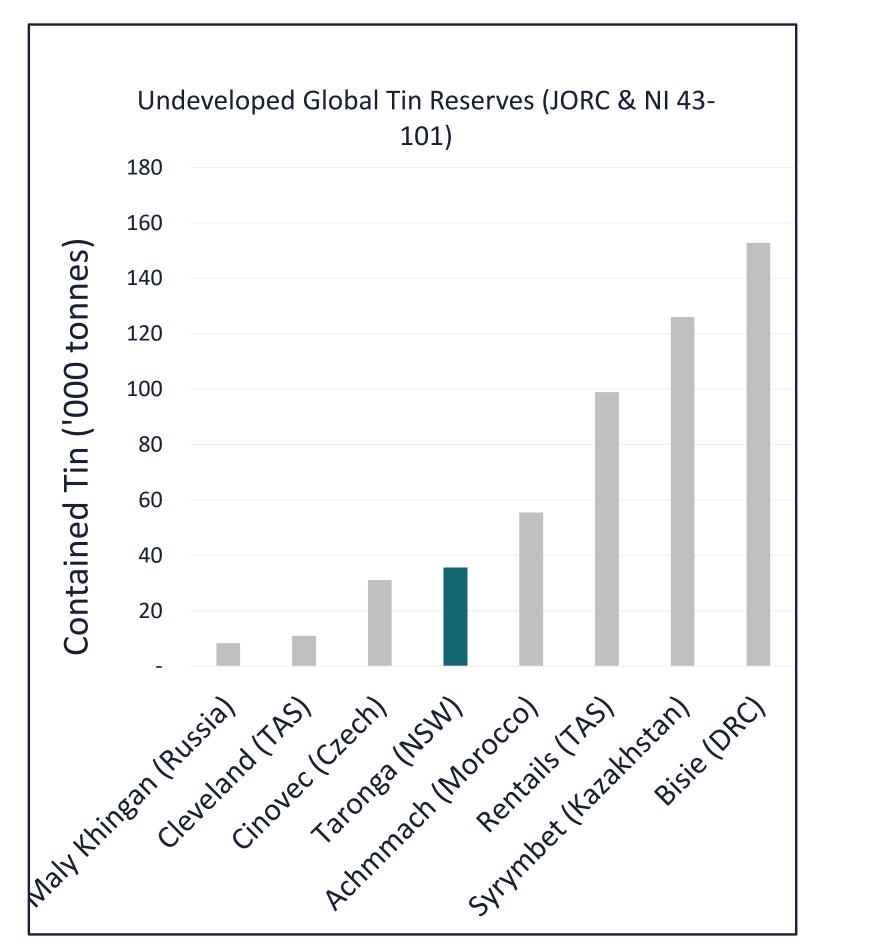
Existing processing plant and completing new TSF

#### Strong Margins (approx. A\$9,500/t at current prices)



#### **Taronga Tin Project – World Class Asset**

#### **Taronga Mineral Resource contains 57,000 tonnes of tin, plus** 26,000 tonnes of copper, 4.4Moz of silver and open at depth<sup>1</sup>



Taronga ranked fifth of undeveloped global tin reserves Source: Company Reports & International Tin Association



#### Low risk jurisdiction in NSW PFS completed<sup>1</sup> Forecast in 2<sup>nd</sup> cost quartile of global producers<sup>2</sup>

<sup>1</sup> Refer ASX Announcement dated 7<sup>th</sup> April 2014 <sup>2</sup> Source – International Tin Association 2018



## **Taronga Tin Project – from "Good to Great"** Several areas of upside identified that could significantly enhance economics

Extended Mine Life<sup>4</sup>

Increased Tin Recovery<sup>2</sup>

Inclusion of By-product credits<sup>3A, 3B</sup>

Increased Feed Grade<sup>1</sup>

With reference to respective ASX Releases

<sup>1</sup>7/10/15 - Positive ore reconciliation of up to 52 percent <sup>2</sup> 7/10/15 - higher grade tin concentrate (64.7%Sn and higher tin recovery (75/5%) <sup>3A</sup> 20/5/13 - encouraging copper & silver recoveries <sup>3B</sup> 16/6/16 - lithium mineralisation identified at Taronga & Torrington Projects <sup>4</sup> 6/10/15 - drilling at McDonalds identified high grade intersections

<sup>6</sup> 7/4/14 - Pre-Feasibility Study advances the Taronga Tin Project

<sup>#</sup> MineInvest valuation available at www.austinmining.com.au/Projects/Taronga

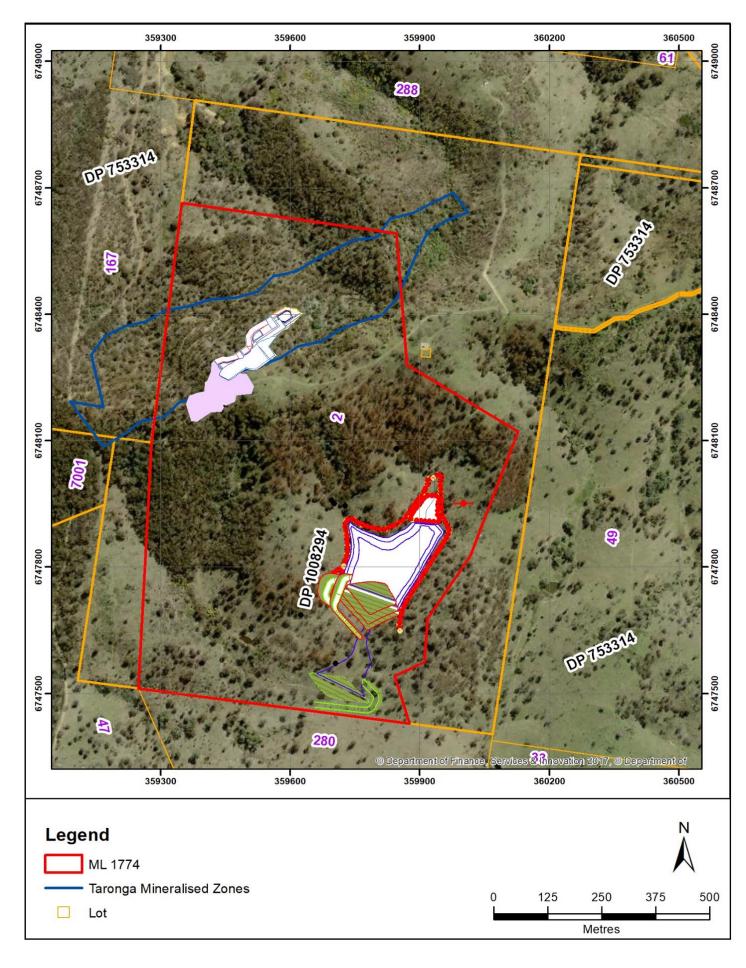
**PFS Base Case NPV** 

#### High grade supplementary feed<sup>5</sup>

<sup>5</sup> 2/9/14 - exploration target at Dutchman/Harts 150kt-265kt @ 2.3%Sn to 2.5%Sn



#### **Taronga Stage 1 Project – IN DEVELOPMENT Proof of concept for potential upside – targeting mining by end of 2018**





Modular processing plant (illustrative purposes only)

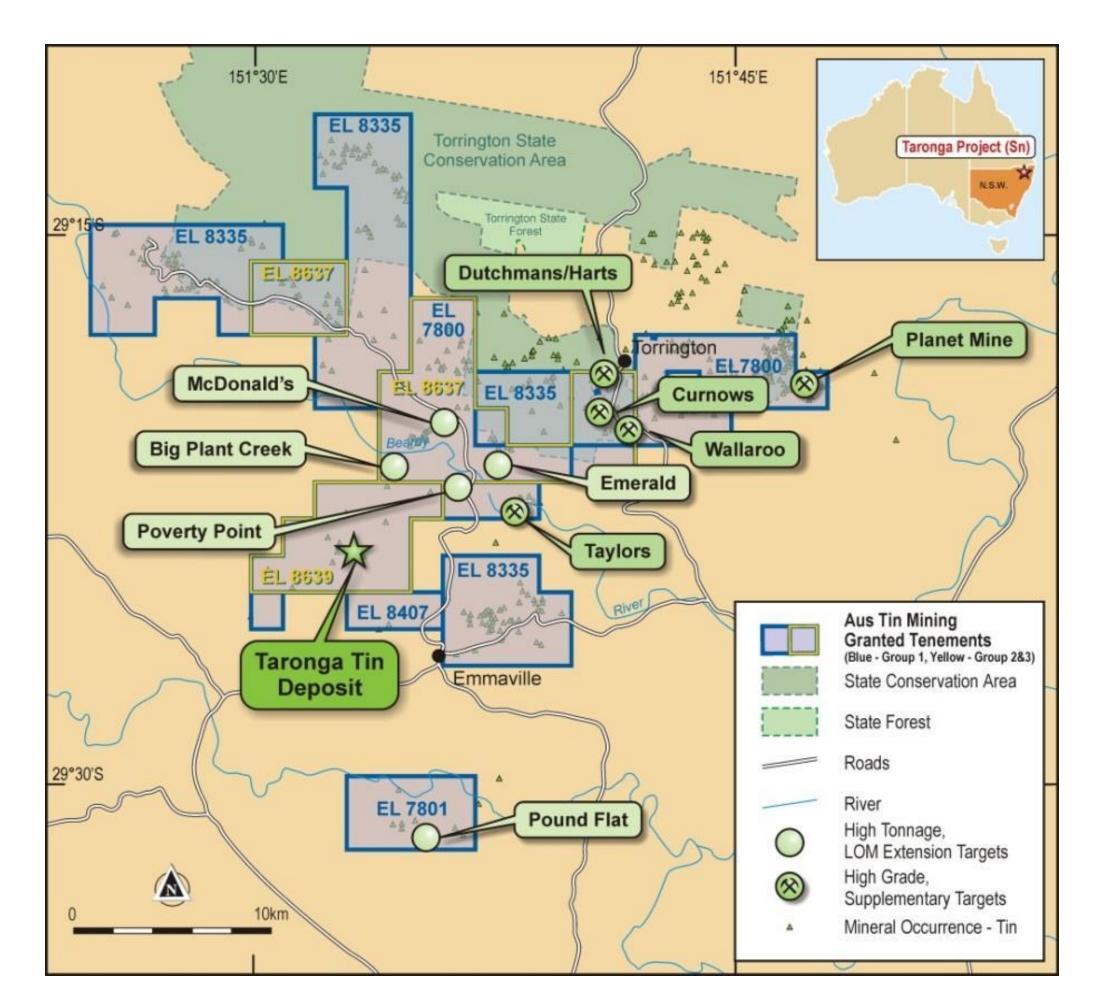
Site layout for Taronga Stage 1 Project

#### Large scale trial (340kt) On-site modular plant Mining Lease Granted



# that's historically produced over 88,000t of tin

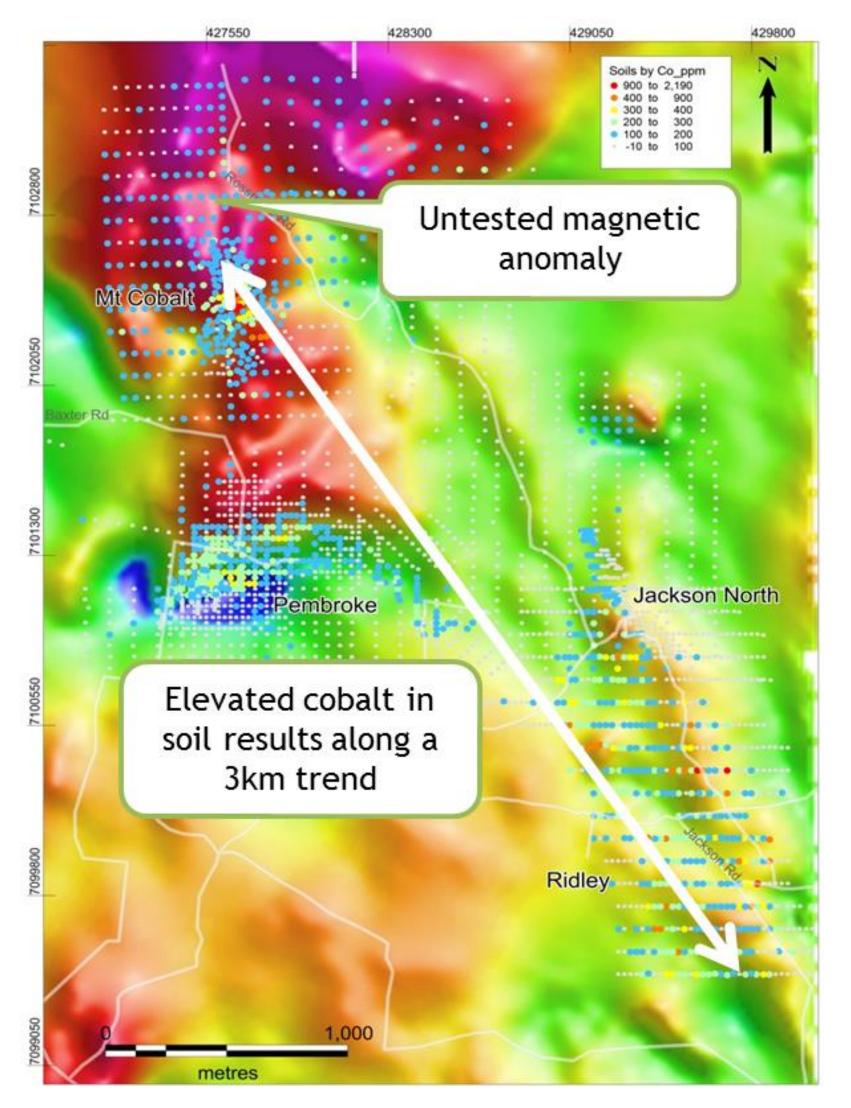
## **Taronga could unlock highly prospective field Over 300 tin-copper-silver-tungsten prospects in a proven field**



Aus Tin Mining's dominate position over historic Torrington Tin Field



#### Mt Cobalt / Pembroke – ACTIVE EXPLORATION Significant Ni-Co-Cu-Ag prospectivity along contact with porphyry





Soil Geochemistry and Magnetic Survey (TMI) data for Mt Cobalt to Ridley

#### West of Gympie (QLD) Historic gold/copper/cobalt production from 1860's

North-South Shear north of Mt Cobalt, dipping steeply west

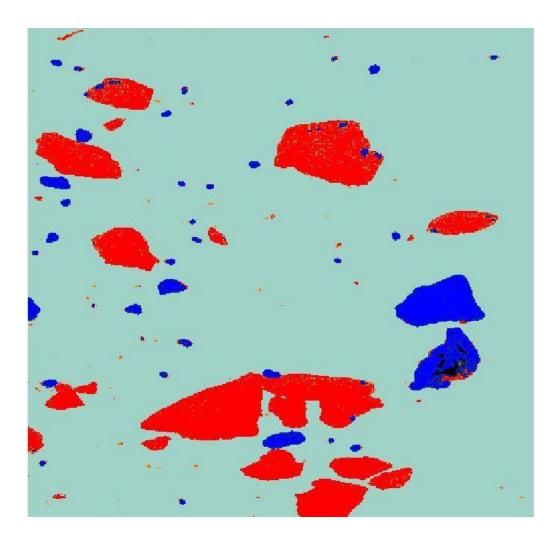


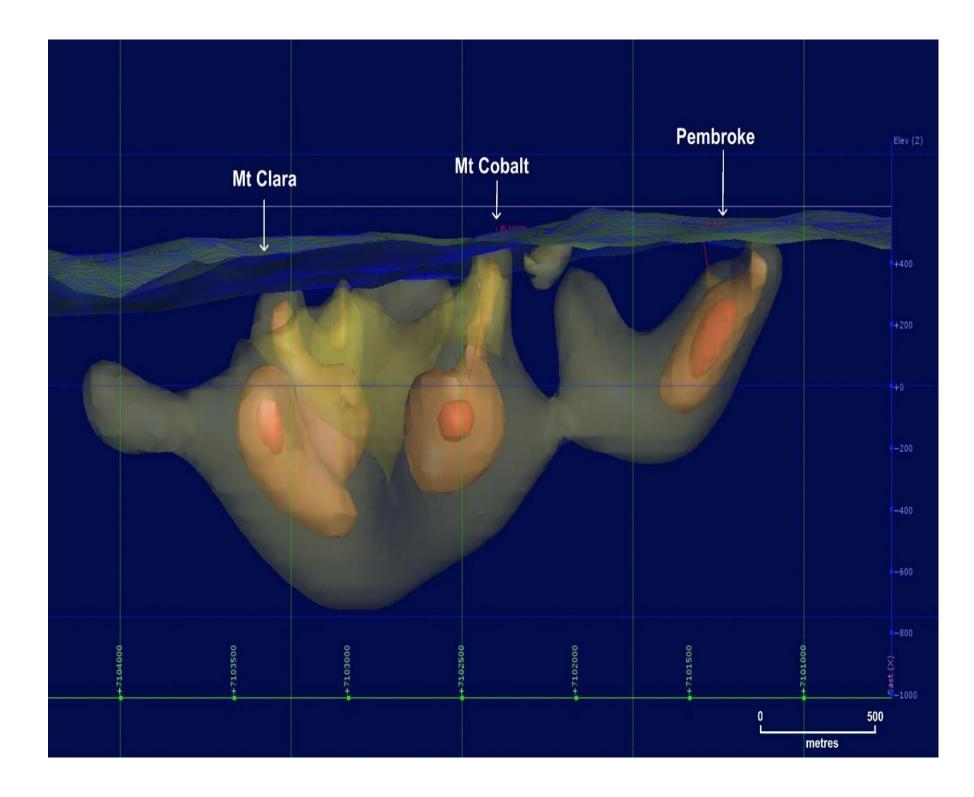
#### **Recent exploration results**

#### High cobalt grade oxide at surface and potential sulphide target at depth



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





3D model of magnetic susceptibility data at Mt Cobalt

Positive ore sorting results – 2.8x upgrade



# **Reasons to invest in Aus Tin Mining (ASX:ANW)**

Active program of work to drive short, medium and long term upside

#### **Short Term Drivers**

- + Drilling program at Mt Cobalt and Pembroke
- + Transition to expanded production at Granville
- + Commencement of mining at Taronga

#### Medium / Long Term Drivers

- + Cash flow from Granville and leverage of plant as regional hub
- + "Proof of Concept" for Taronga upside and progressing full scale development
- + Exploration and development upside at Torrington and Mt Cobalt / Pembroke

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