

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

#### Beer & Co Sixth Annual Tin Conference 7 November 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.



#### A strong "Score Card" for past year

#### Active work program across all assets since 2017 Beer & Co Conference

#### Taronga (northern NSW)

- Development application approved and Mining Lease granted
- Engineering completed and finalising contractors
- ✓ Positive ore-sorting test work

#### Granville (west coast Tasmania)

- Regulatory approvals for expansion finalised
- ✓ Mining & civil works commenced

#### Mt Cobalt (south east QLD)

✓ Excellent exploration results for cobalt & nickel

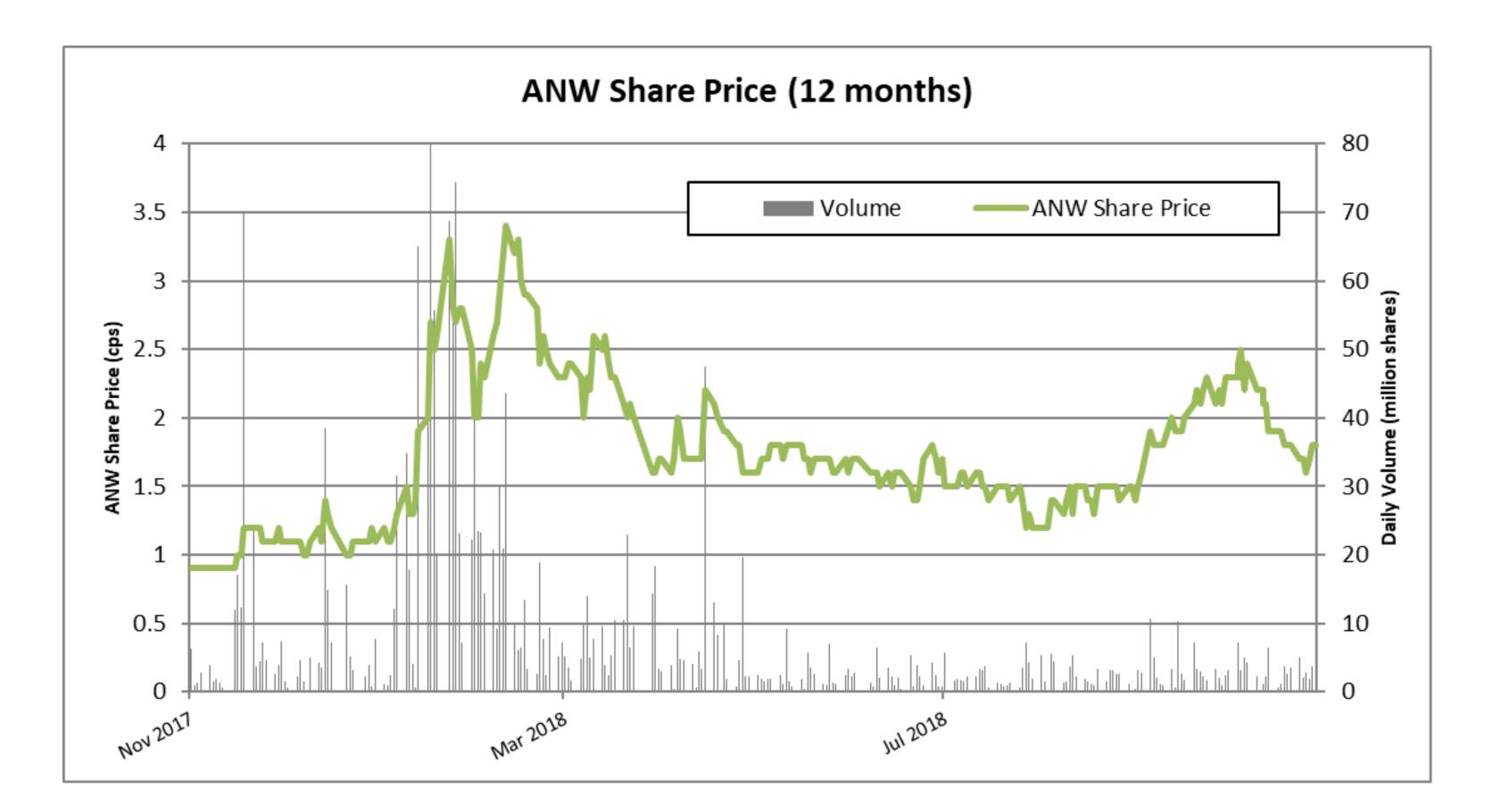
#### Corporate

- ✓ Share price up 100% and market capitalisation doubled
- ✓ Improved funding package secured



#### **ANW** generating strong growth for investors

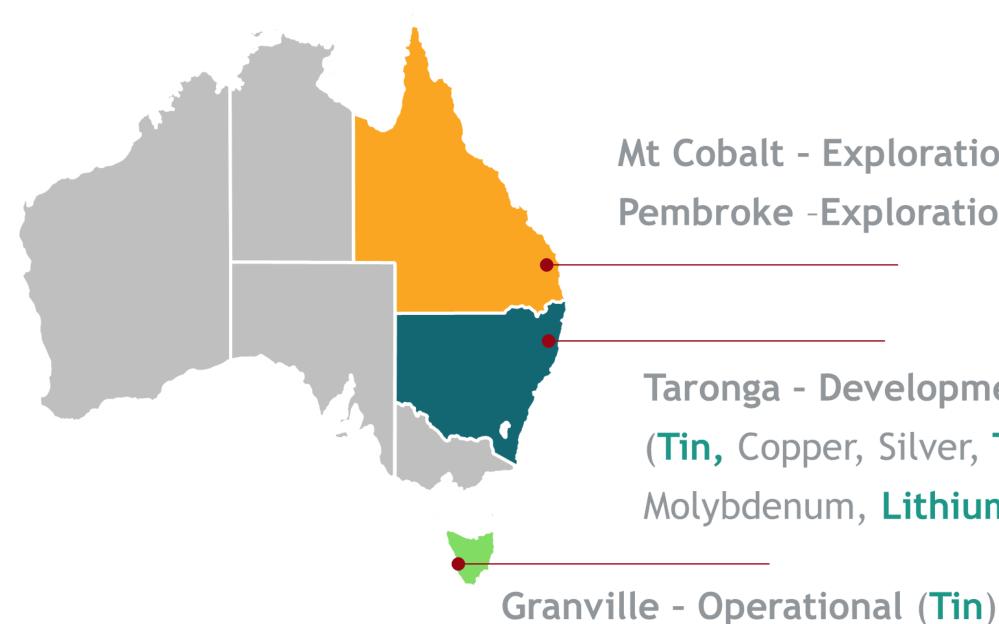
**Over past year ANW has outperformed market (share price up 100%)** underpinned by an active program of work across Company's portfolio





# Aus Tin Mining (ASX:ANW) – Who we are Vision: to become major Australian tin producer

- Experienced Board & Management team well invested (8.5% of shares)
- Current market capitalisation of \$36M (based on closing price of \$0.018/share on 5/11/18)
- 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 Tin Project (TAS) - OPERATING**

Small scale & high grade allowed entry into production at time when market was challenging, and we are now expanding



Waste benches at Granville East Mine





Blast hole drill rig the Granville East Mine

New Tailings Storage Facility under construction

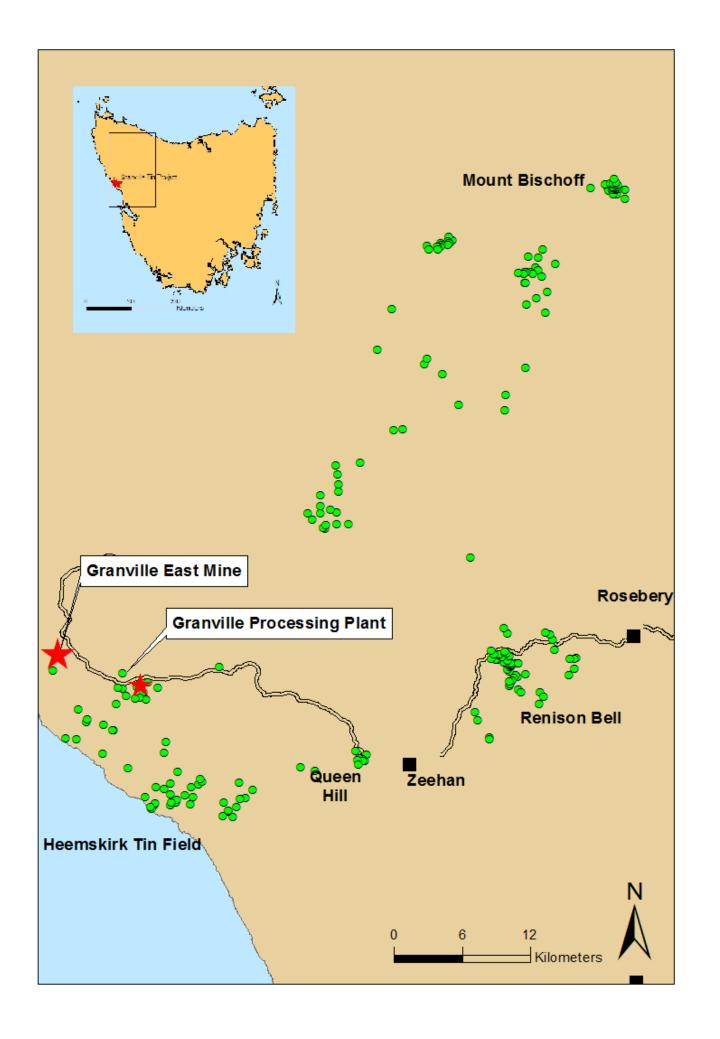
#### High Grade Open Cut - 1.4%Sn based on historical production

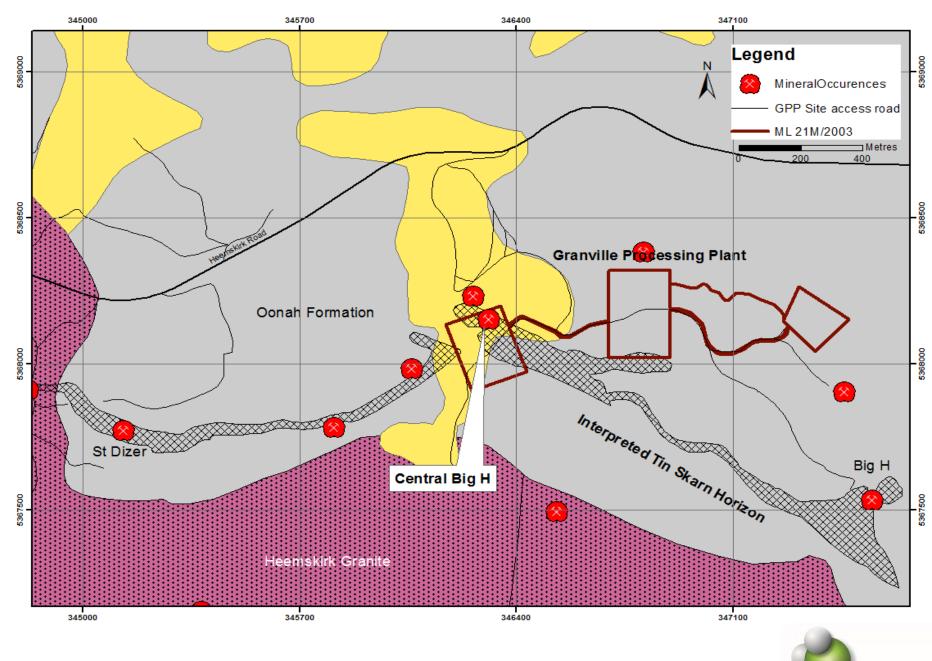
Existing processing plant and completing new TSF

Forecast strong margins (@A\$9,500/t at current prices)



# **Expanding / Extending Granville through exploration** Highly prospective field and Granville Plant could provide regional hub



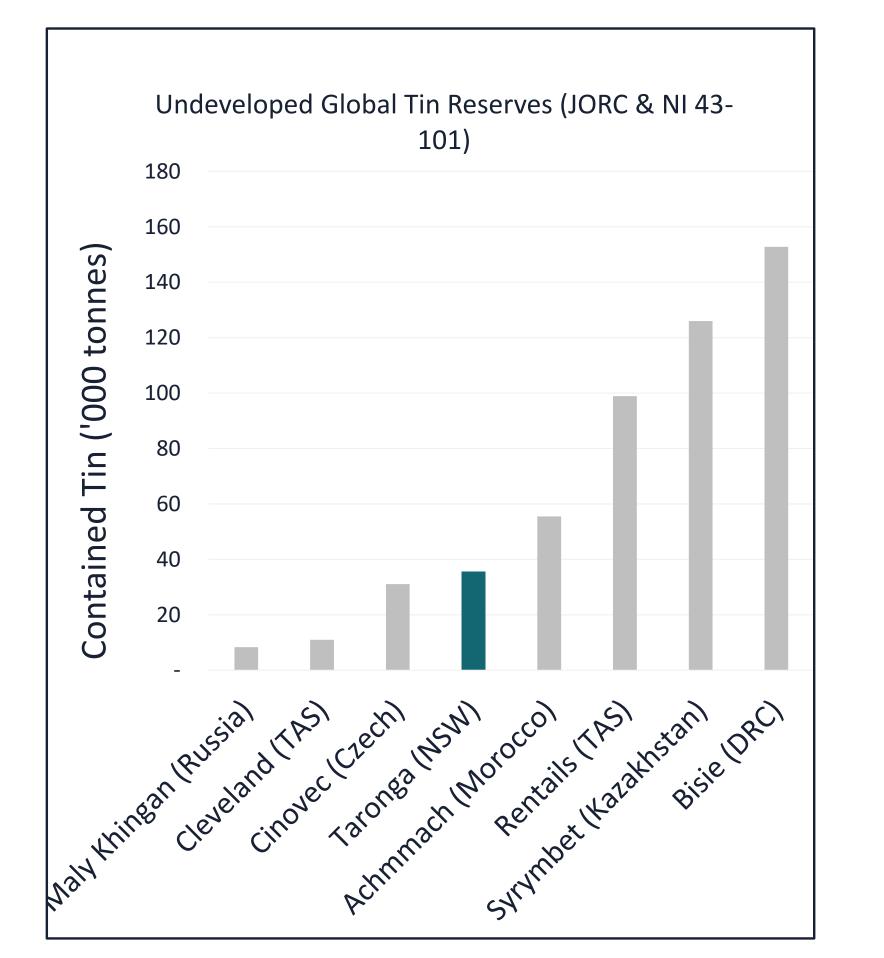


 Over 100 tin prospects identified within 25km of processing plant Closet target is Central Big H (tin skarn) located within existing mining lease



# **Taronga Tin Project (NSW)**

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

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

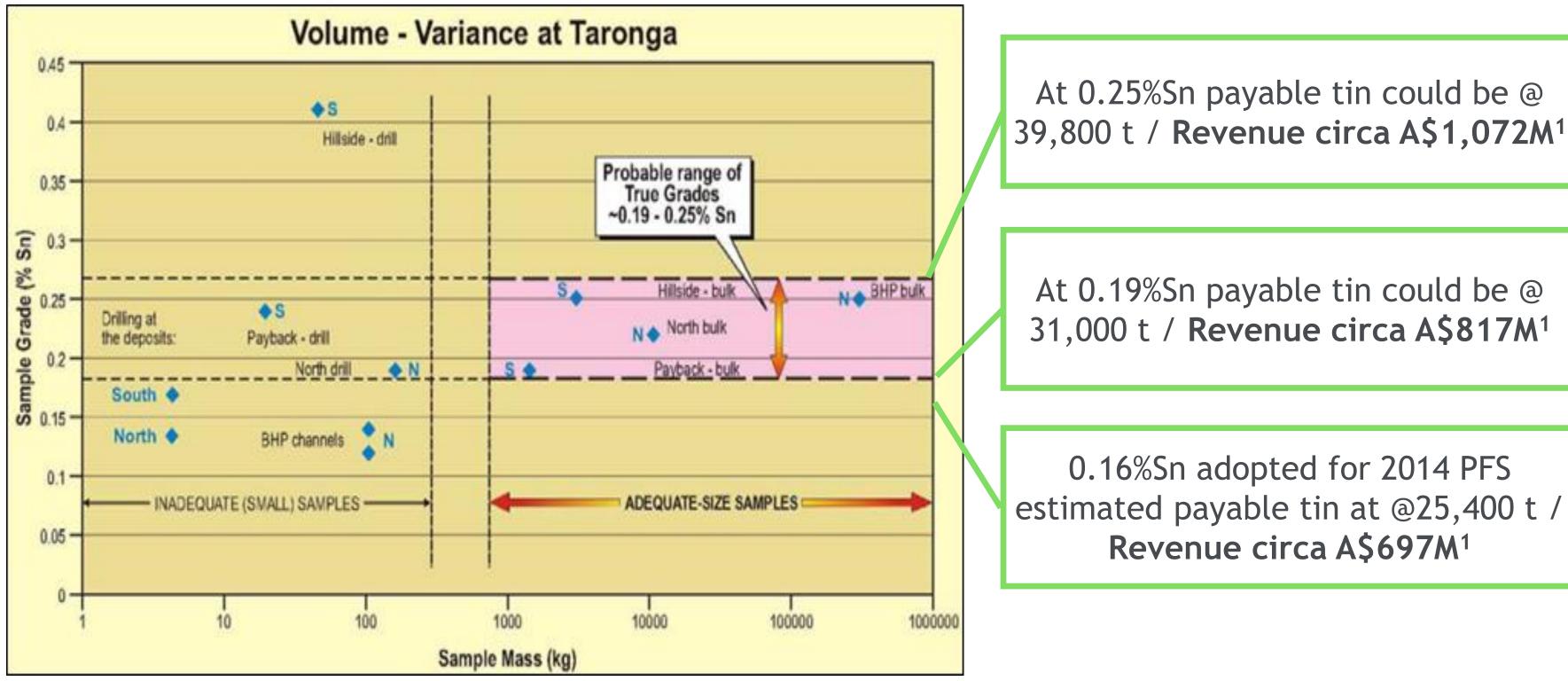
<sup>#</sup> MineInvest valuation available at www.austinmining.com.au/Projects/Taronga

**PFS Base Case NPV** 

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



#### Increased feed grade potential based on sample size Coarse "nuggety" cassiterite possibly understated in mineral resource based on previous work by BHP and Newmont<sup>2</sup>

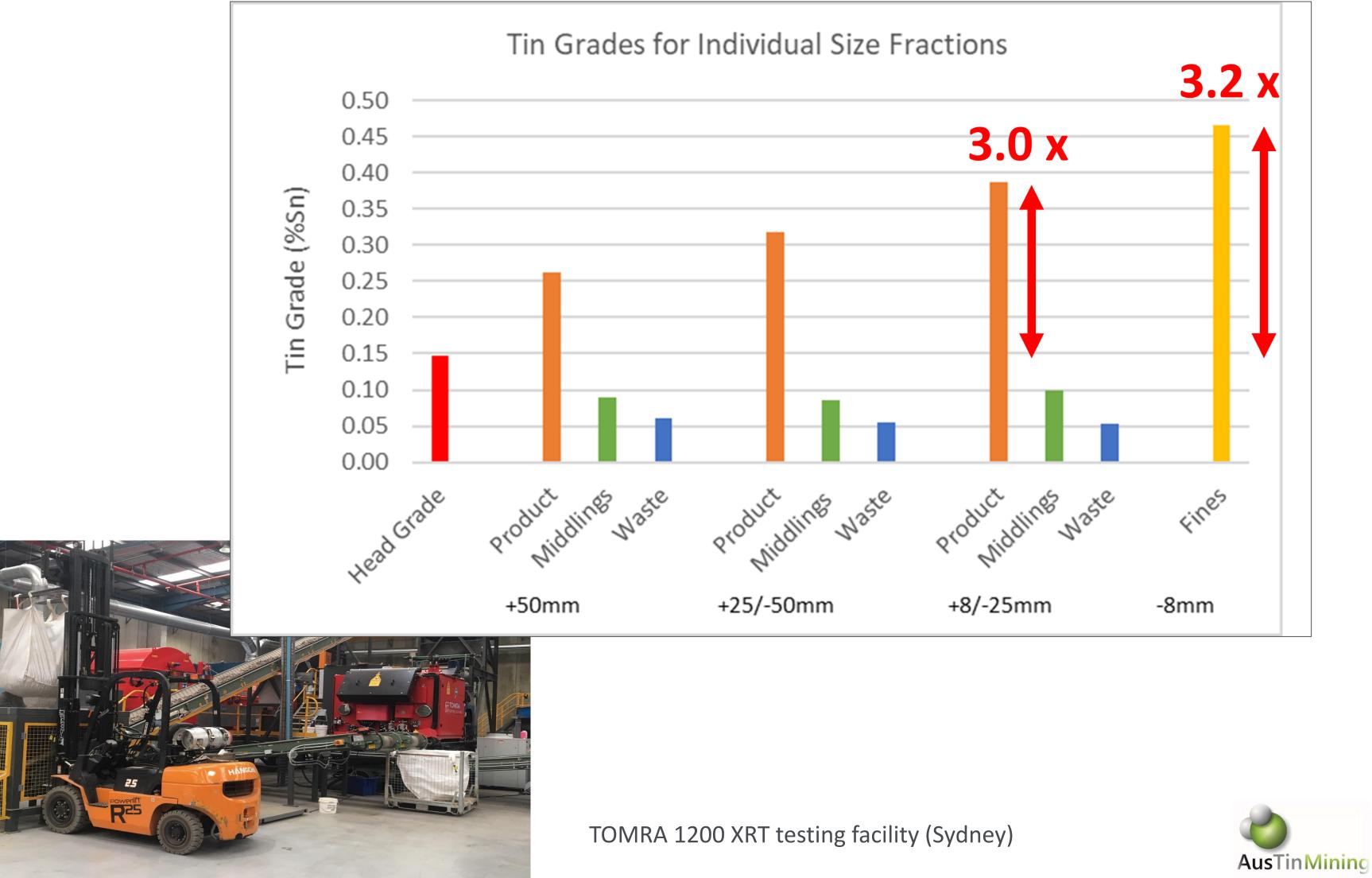


Probable range of true grades (Source: Mining One Pty Ltd)

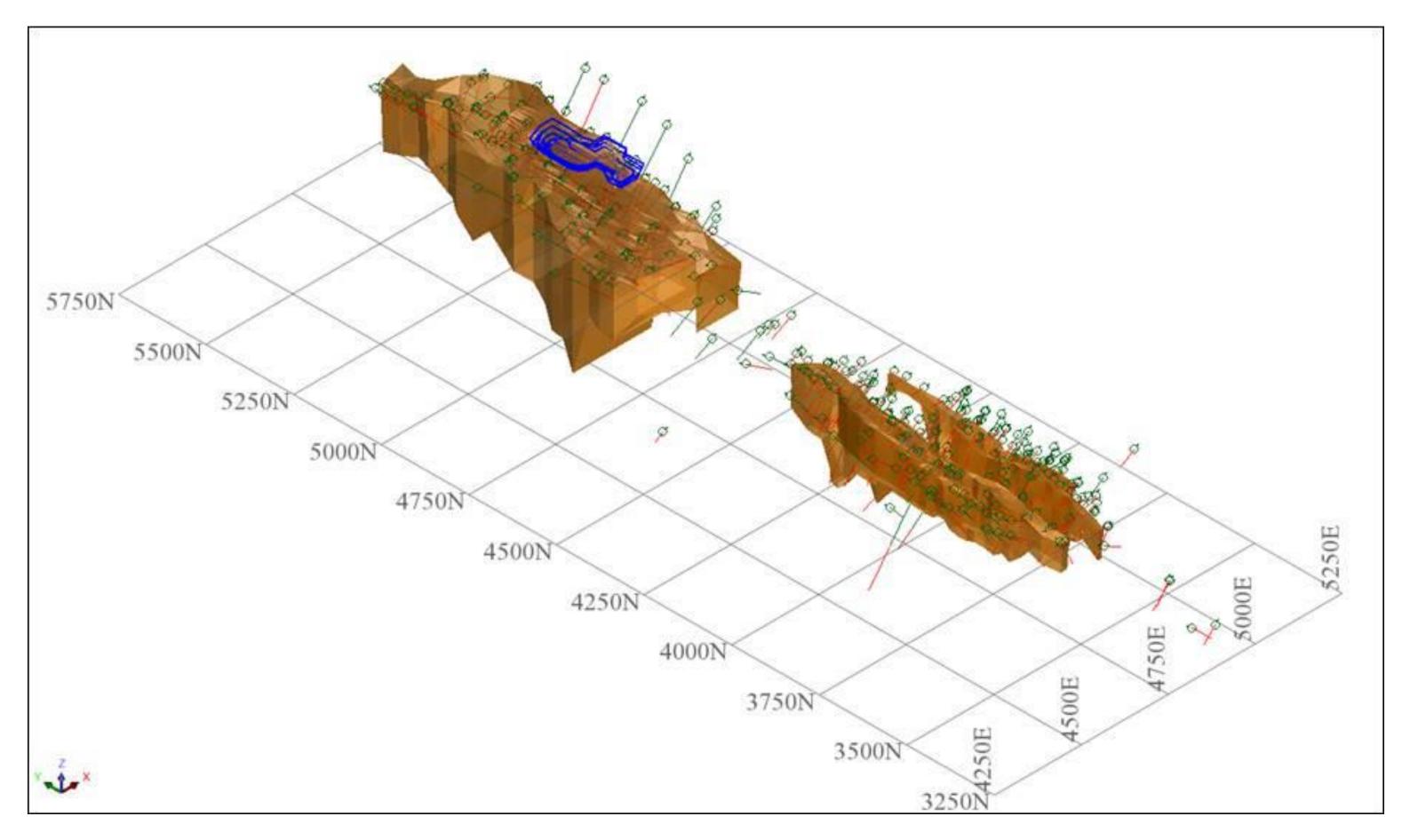
- <sup>1</sup> Revenues calculated using tin price A\$26,900/t
- <sup>2</sup> Refer ASX Announcement dated 7<sup>th</sup> April 2014



#### **Evaluating potential for increased tin recovery** Uplift in grade increases metal content into downstream processing



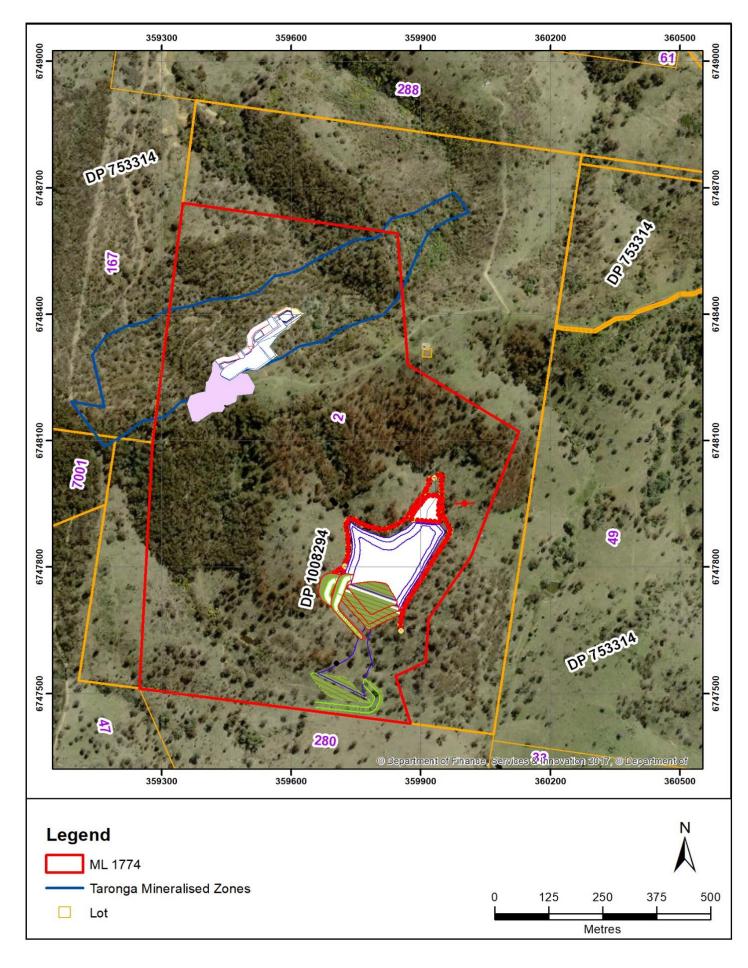
# **Concept for large scale trial conceived in 2015 Objective to test upside and generate data for DFS**



Proposed Stage 1 open cut pit (blue) overlaid on Taronga Mineral Resource (brown)



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





Modular processing plant (illustrative purposes only)

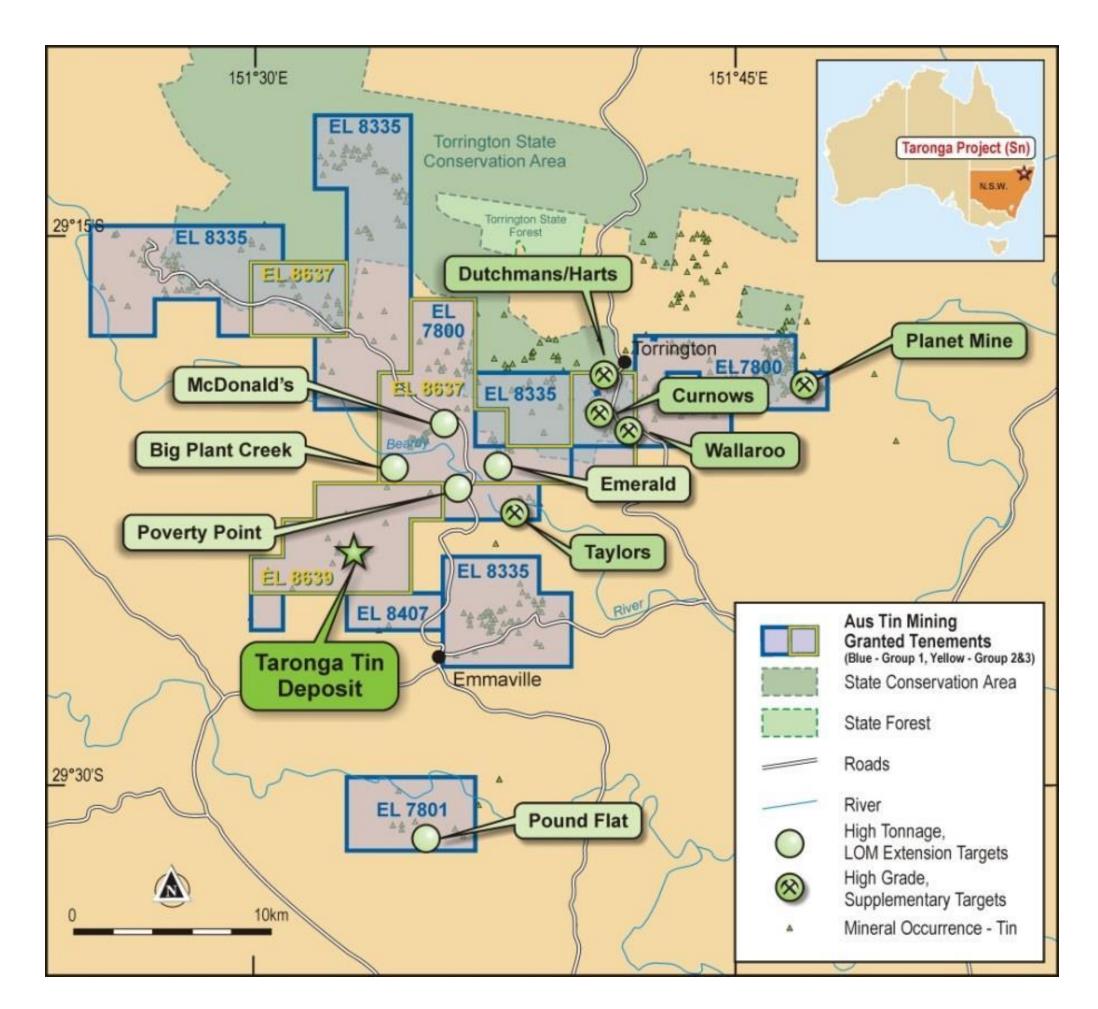
Site layout for Taronga Stage 1 Project

### 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**



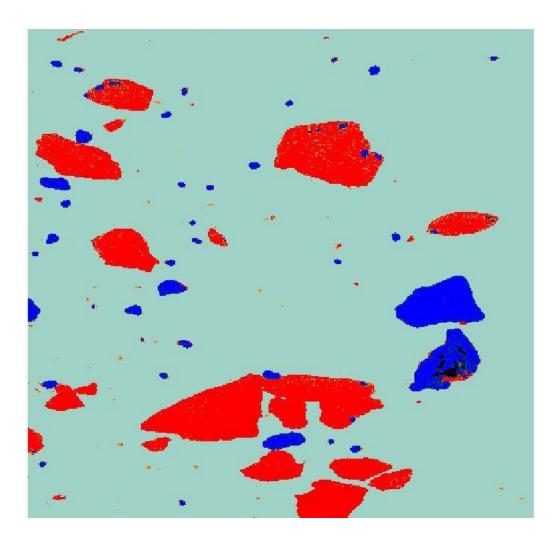
Aus Tin Mining's dominate position over historic Torrington Tin Field

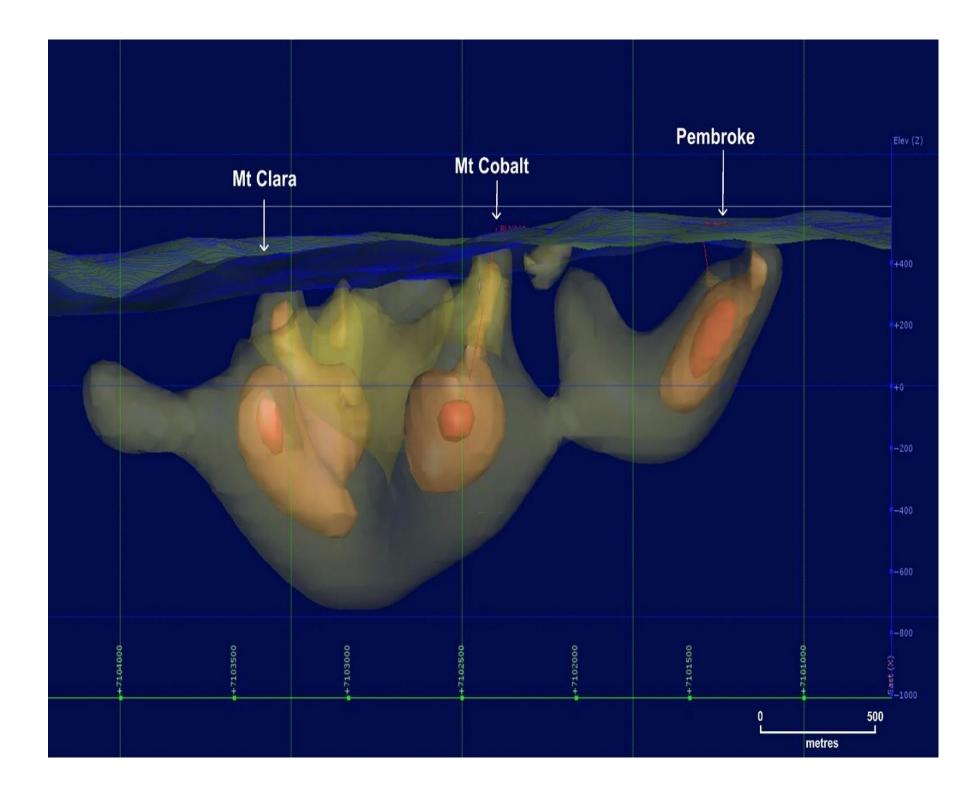


# **Mt Cobalt (QLD) - recent exploration results** High cobalt grade oxide at surface and potential sulphide target at depth



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



#### ANW has a realistic pathway to production Aus Tin Mining positioning itself with a mix of production/development/exploration





#### **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

#### Visit us at www.austinmining.com.au

