

Aus Tin Mining Limited (ASX:ANW)

Developing Australian Tin Projects

Beer & Co Tin Seminar - Melbourne 4<sup>th</sup> November 2015

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#### **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 26<sup>th</sup> August 2013 and is available to view on <a href="www.austinmining.com.au">www.austinmining.com.au</a> 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 7<sup>th</sup> April 2014 and is available to view on <a href="www.austinmining.com.au">www.austinmining.com.au</a>. 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.



#### Our Vision is to become a major Australian tin producer

#### Centred on the New England region in northern NSW

- The world class Taronga Tin Project is the foundation asset
- Outstanding exploration portfolio from which to expand
- Target a 30 year plus Life of Mine
- Recent developments include
  - Excellent results from recent metallurgical test work
  - Positive tin grade reconciliation for metallurgical sample against the resource model
  - Identification of additional potential by-product credits, including topaz
  - Maiden drilling at McDonalds Prospect confirms high grade tin mineralisation

#### Production to be supplemented through acquisition

 Acquisition of existing mine / processing plant at Granville (Tasmania) subject to due diligence and regulatory approvals



### **About Aus Tin Mining**

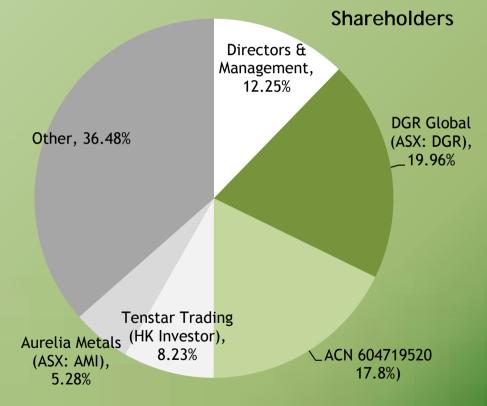
Focus on tin - positioning to deliver into the forecast global supply deficit

Targeting large scale assets - development of Taronga Tin Project as long life major producer

Creating value - alternative funding model by way of Granville Tin Project acquisition

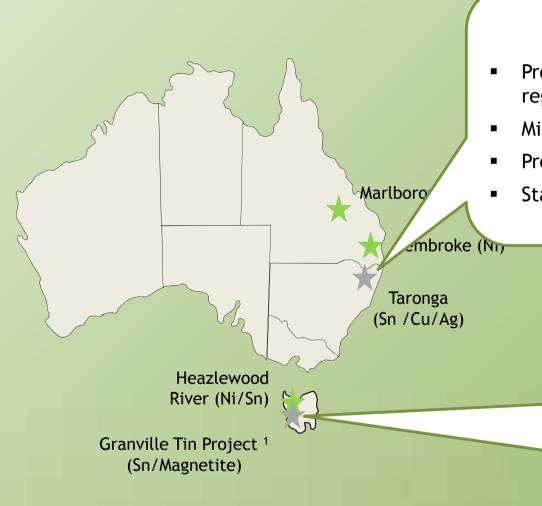
Board & Management - track record in value creation

ASX Ticker	ANW	
Share Price	\$0.006 (2/11/15)	
12 Month Range	\$0.003 - \$0.01	
Shares on issue	1,292M	
Market Capitalisation	\$7.8M (2/11/15)	
Cash	\$0.4M (30/9/15)	
Board	Brian Moller, Nick Mather, John Bovard, Richard Willson	
Management	Peter Williams (CEO), Karl Schlobohm (Co Sec)	





#### Aus Tin Mining's highly prospective package of exploration tenements



#### Taronga Tin Project (100% owned)

- Proven field with over 88,000t of tin produced from the region since 1870s
- Mineral Resource 57,200t contained Sn
- Pre-Feasibility Study completed (2014)
- Stage 1 development progressing

#### Granville Tin Project (100% acquisition<sup>1</sup>)

- Proven field with near-by projects including Renison Bell and St Dizier
- High grade (1.6%Sn) mineralisation
- Near-term cash flow opportunity

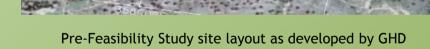
<sup>1</sup>Acquisition subject to due diligence and regulatory approvals



### Taronga Tin is the flagship project

#### What makes Taronga a good project

- Pre-Feasibility Study<sup>1</sup> completed to new JORC (2012) requirements
- Large Mineral Resource of 57,200t contained tin plus 26kt contained copper and 4.4Moz contained silver
- 23Mt of Probable Ore Reserves supporting a 9 Year Life of Mine producing 2,800tpa tin in concentrate
- Technical risk is low with open cut mining and simple metallurgy
- Close to infrastructure



oarse Reject RL 800

- Strong community support with proud mining heritage
- Several areas of upside identified during PFS, including grade, recovery and by-product credits
- Significant exploration potential nearby

<sup>1</sup> Aus Tin Mining Ltd - ASX announcement dated 7<sup>th</sup> April 2014



North Pit

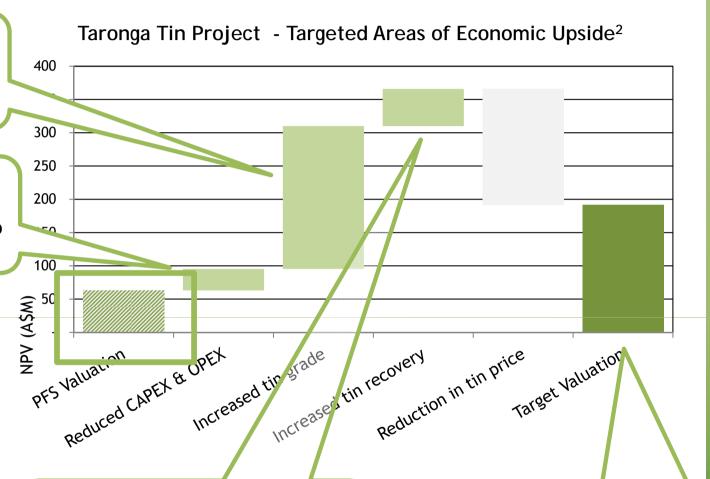
RL 890

NAF 2

### Elevating Taronga Tin Project from a good project to a great project

Recent drilling highlights tin grade upside - positive reconciliation of  $52\%^1$ 

Recent metallurgical results highlight potential cost savings tin concentrate grade increased to 65%Sn<sup>1</sup>



<sup>1</sup> Aus Tin Mining Ltd - ASX announcement dated 7<sup>th</sup> October 2015 <sup>2</sup> refer Slide 15 for details

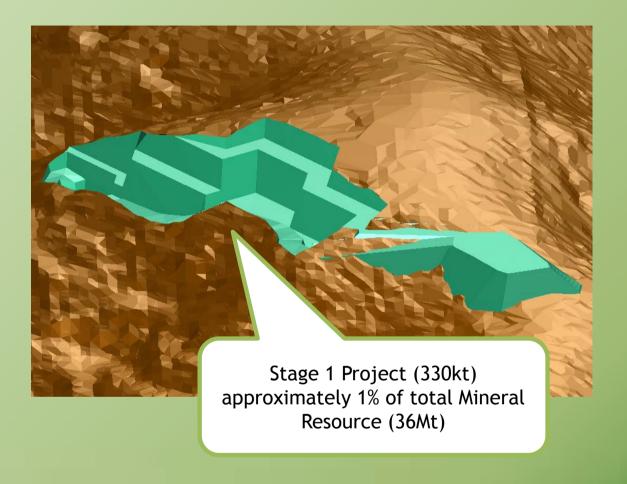
Recent metallurgical results highlight potential increased tin production - tin recovery increased to 75.7%Sn<sup>1</sup>

Even at low tin prices
Taronga valuation could be
close to \$200M



### Taronga Stage 1 Project<sup>1</sup> - testing the upside and generating cash flow

- Open Cut Pit
  - 330kt ore @ 0.24%Sn
  - low strip ratio (0.22x)
- On-site ore processing
  - Low CAPEX (contract & modular)
  - Crushing / gravity / flotation
  - Production of 1500t of tin concentrate
- Development application process through local council
- Revenues expected to meet all CAPEX & OPEX associated with trial
- Assessment of potential by-product credits (Cu, Ag, topaz, other)



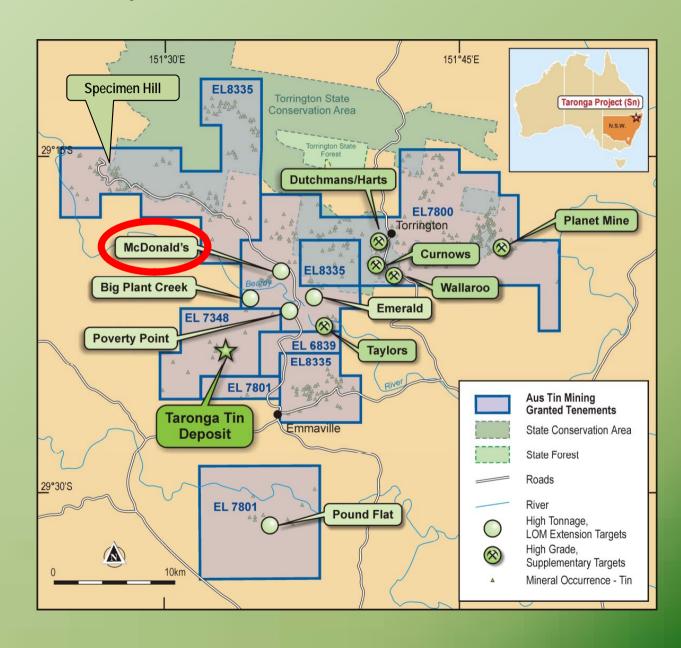
<sup>1</sup> Aus Tin Mining Ltd - ASX announcement dated 15<sup>h</sup> April 2015



#### Increased value potential also via exploration success

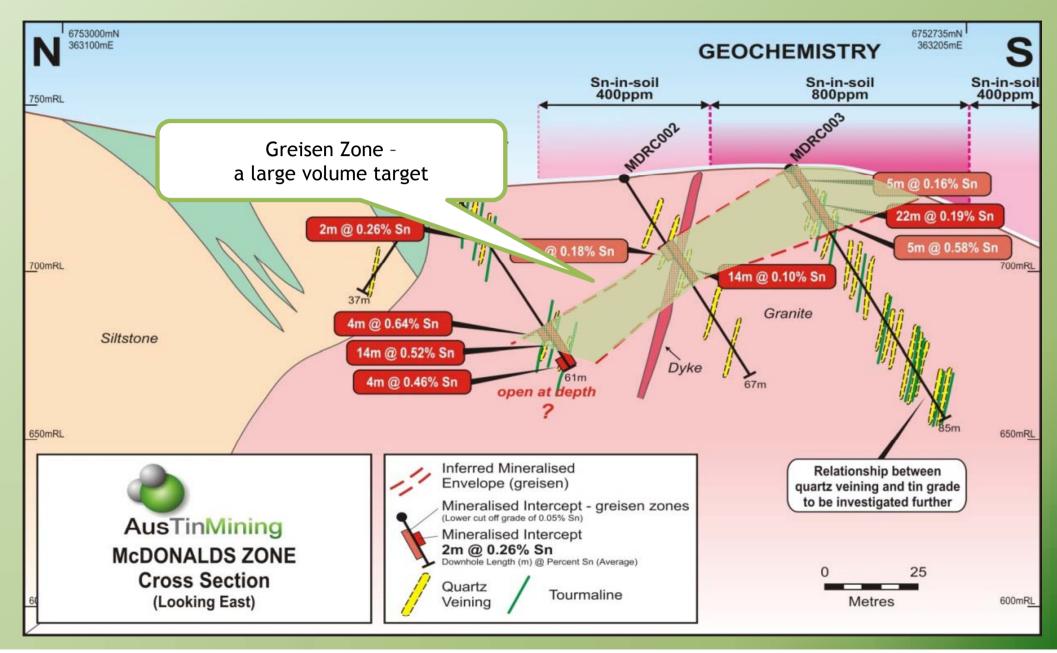
# Highly prospective exploration tenement package

- 305 tin prospects and historic mines identified within exploration licences
- Previous exploration undertaken by leading resources companies highlighting the quality of the field
  - BHP & Newmont (Taronga)
  - BHP, MIM, North Broken Hill (Torrington)
- Two large Life of Mine extension targets
- Six key high grade supplementary feed targets within close trucking distance of Taronga





### McDonalds Prospect - recent drilling confirms high grade tin mineralisation





### Granville Tin Project - proposed acquisition of production asset<sup>1</sup>

#### Granville Tin Project (north of Zeehan, Tasmania)

- Located in historic Mt Heemskirk field
- Operated since 1984 by private operators
- Established high-grade open pit (drilling intersections up to 3.6%Sn<sup>2</sup>)
- Existing Mining Leases
- Operational plant & infrastructure (on care & maintenance)

#### Rationale for Investment

- Modest acquisition cost
- Minimal CAPEX to recommence Level 1 operation for early cash flow
- Drilling completed by ANW provides basis for pursing increased production rate (Level 2)
- Historic drilling suggests potential to extend mineralisation at depth / along strike
- Operating synergies with Taronga Stage 1



Granville Processing Plant in foreground

Mt Heemskirk in background

<sup>1</sup>Acquisition subject to due diligence and regulatory approvals <sup>2</sup> Historical exploration result - Stonehenge Metals Limited, ASX announcement dated 8 November 2006



# Granville Tin Project - generating near-term cash flow



Re-start Processing plant (grinding, gravity, flotation)



Process existing ore stockpiles (including some crushed)



Recommence mining operations at Granville East Open Pit



### ANW's Development Model

Granville Tin Project<sup>1</sup> (currently on care & maintenance) - Resume operations near term and seek approval for expansion Taronga Stage 1 Project **Developing** - Obtain necessary approvals, funding through Granville cash flow Mine Taronga Future Project (PFS Completed) Feasibility Stage **Project** - Use technical data from Stage 1 Project to undertaken DFS McDonalds - drilling confirms high grade mineralisation **Advanced Exploration** Dutchman / Harts - Exploration Target completed NSW - Specimen Hill, Pound Flat **Early Stage Exploration** TAS - Central Big H, Heazlewood River

<sup>1</sup> Acquisition subject to due diligence and regulatory approvals



### **Investment Highlights**

- ✓ Aus Tin Mining is progressing near term tin production with Granville Tin Project and Taronga Stage 1 Development
- ✓ Taronga Tin Project has several areas of upside to be tested during Stage 1
- ✓ Aus Tin Mining has completed a Pre-Feasibility and one of three only Australian tin projects with Ore Reserves (JORC 2012)
- ✓ Aus Tin Mining has an active exploration program underway

For further details please contact:

Peter Williams (CEO) on (07) 3303 0611 or info@austinmining.com.au



## **Taronga Valuation metrics**

- PFS valuation of A\$63M (pre-tax) but on conservative study and excluding any upside
- Target valuation of A\$191M (pre-tax) using a tin price of US\$15,018t

Parameter	PFS	Target	Upside Opportunity
		Valuation	
Resource (Mt)	36.3	36.3	Contained metal includes 57,200t tin, 26,400t copper, 4.4Moz silver
Reserve (Mt)	23.2	23.2	Potential to convert further resource to reserve
Mine Life (2.5mtpa)	9.3	9.3	Extend with high grade supplementary feed
Grade (% Sn)	0.16	0.24	Based on recent drilling and positive reconciliation of 52% compared to resource
Recovery (%Sn)	70	75.7	Based on recent metallurgical test work
Annual Prod (t Sn)	2,790	3,550	
Opex (A\$/t)	20.0	17.1	Potential to reduce OPEX,
Capex (A\$m)	88	81	Potential to reduce CAPEX,
Tin price (A\$/t)	27,778	21,152	Tin price (USD15,018/t) and AUD:USD (0.71) as at 30/10/15
LOM Sn Revenue (A\$M)	704	876	
LOM Cu Revenue (A\$M)	-	-	Not included but previously estimated at A\$43M LOM
LOM Ag Revenue (A\$M)	-	-	Not included but previously estimated at A\$22M LOM
C3 Cash cost (US\$/t)	20,010	9,317	
NPV (A\$M @ 8%)	63	191	

