

Aus Tin Mining Limited (ASX:ANW)

Developing the World Class Taronga Tin Project

Noosa Mining & Exploration Conference

16-17 July 2015

#### **Important Information**

#### **Forward Looking Statement**

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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

Today I'll take you through why we like tin, our plan and the opportunity for investors



#### **About Aus Tin Mining**

Focus on those commodities forecast to be in deficit - Concerns over critical supply for tin

Board & Management - track record in value creation

Targeting development of large scale assets - Pre-Feasibility Study completed for 100% owned Taronga Tin Project and hold a highly prospective tenement package adjacent to Taronga with advanced exploration targets for future growth

Creating Value - Progressing low CAPEX development option for Taronga Tin Project and active exploration program

ASX Ticker ANW

Share Price \$0.004

12 Month Range \$0.003 - \$0.01

Shares on issue 1,292M

Market \$5.7M

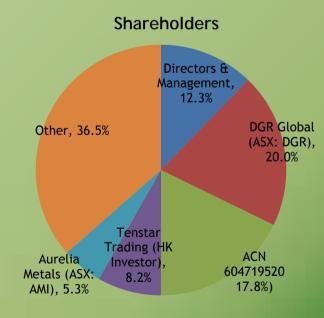
Capitalisation

Cash (30/6/15) \$0.7M

Board Brian Moller, Nick Mather, John Boyard,

Richard Willson

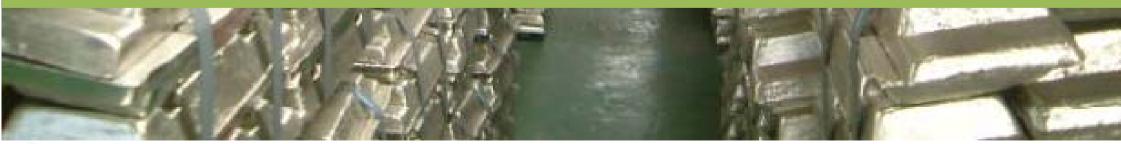
Management Peter Williams (CEO), Karl Schlobohm (Co Sec)







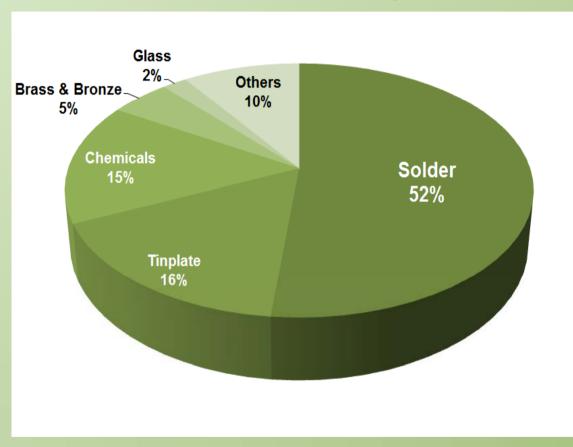
# Why we like Tin





#### Demand for tin is growing via expanding markets and new applications

#### **Global Tin Consumption**



# Consumption in key Asian market growing<sup>1</sup>

- Asia accounts for @68% global consumption
- Y-on-Y growth of 3.04% (Q1 2015)

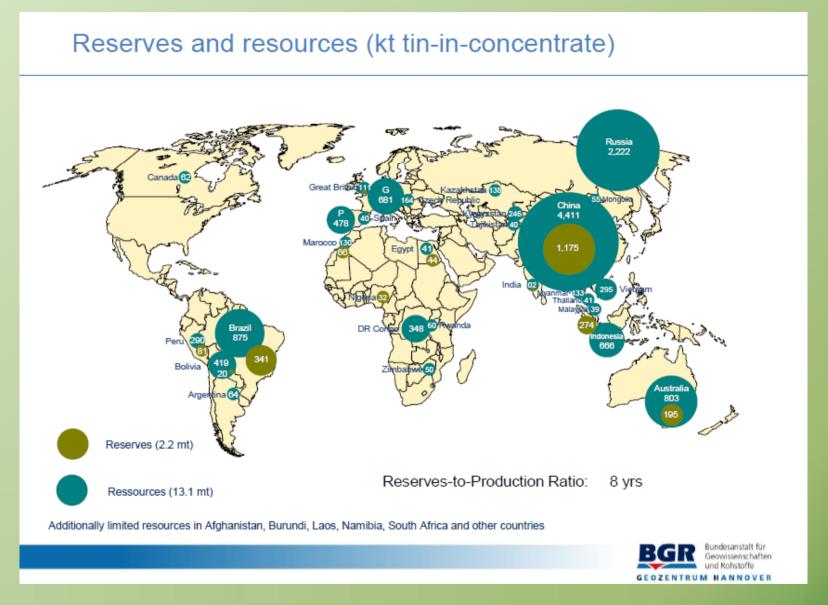
#### Demand drivers for next 5 years

- Increasing middle class in China / India are demanding more consumer goods
- New catalyst applications for fuel efficiency
- New lithium ion battery using tin powder

<sup>1</sup> Source: ITRI 2015



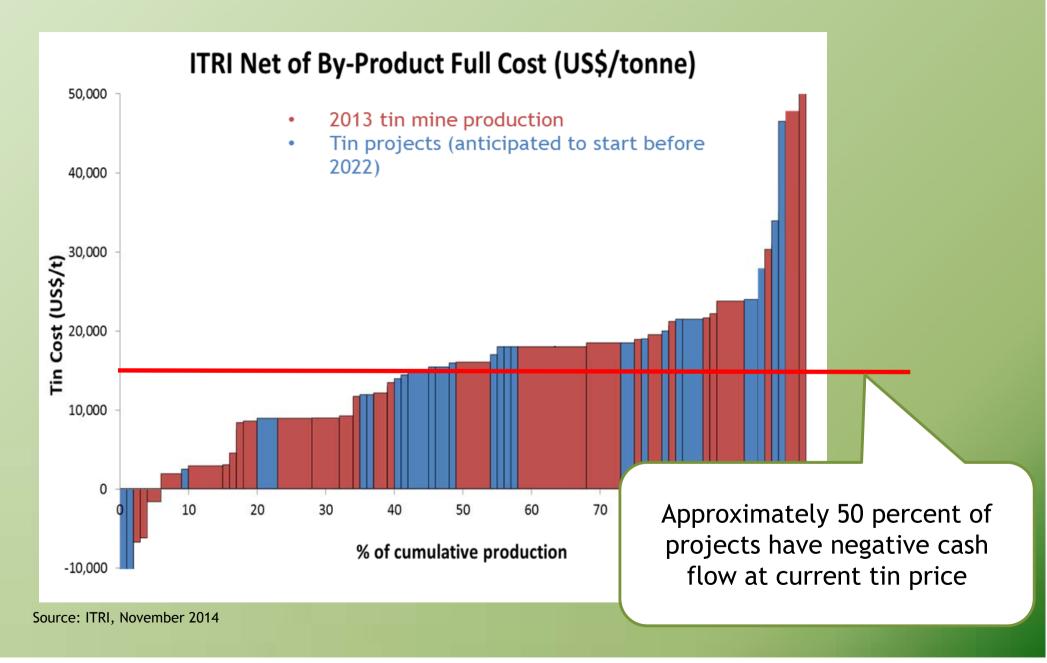
## Looming Supply Issue - only 8 years worth of Ore Reserves



Source: BGR "Tin Demand and Supply to 2020", May 2014



## Current tin price unsustainable







# Aus Tin Mining's plan to develop a major tin province





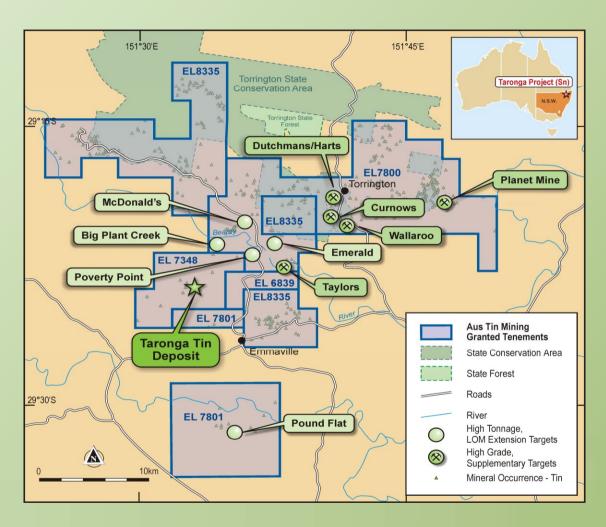
# Focussing on a proven field - Emmaville has produced over 88,000t of tin



Emmaville Tin Mine - Tent Hill Mine. Image from State Library of NSW



### Securing the most prospective ground



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



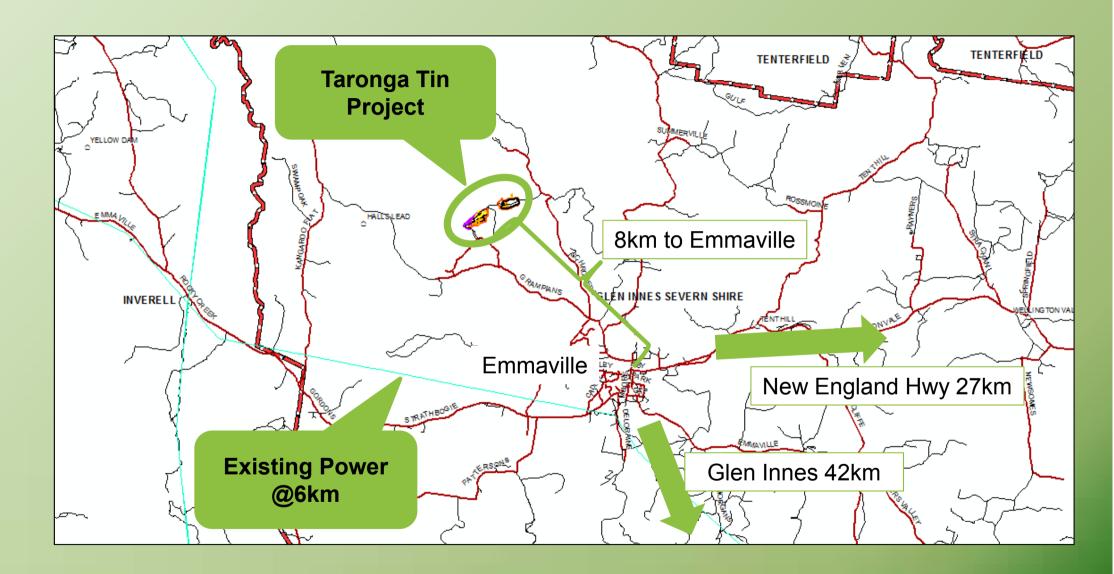
#### Taronga Tin is the flagship project

#### What makes Taronga a good project

- ✓ Large resource (JORC 2012) of 57,200t contained tin with potential to extend at depth
- ✓ Ore Reserves supporting a 9 Year Life of Mine
- ✓ Technical risk is low with open cut mining and simple metallurgy
- ✓ Several areas of upside identified as part of Pre-Feasibility Study (2014)
- ✓ Strong community support with proud mining heritage
- ✓ Significant exploration potential nearby

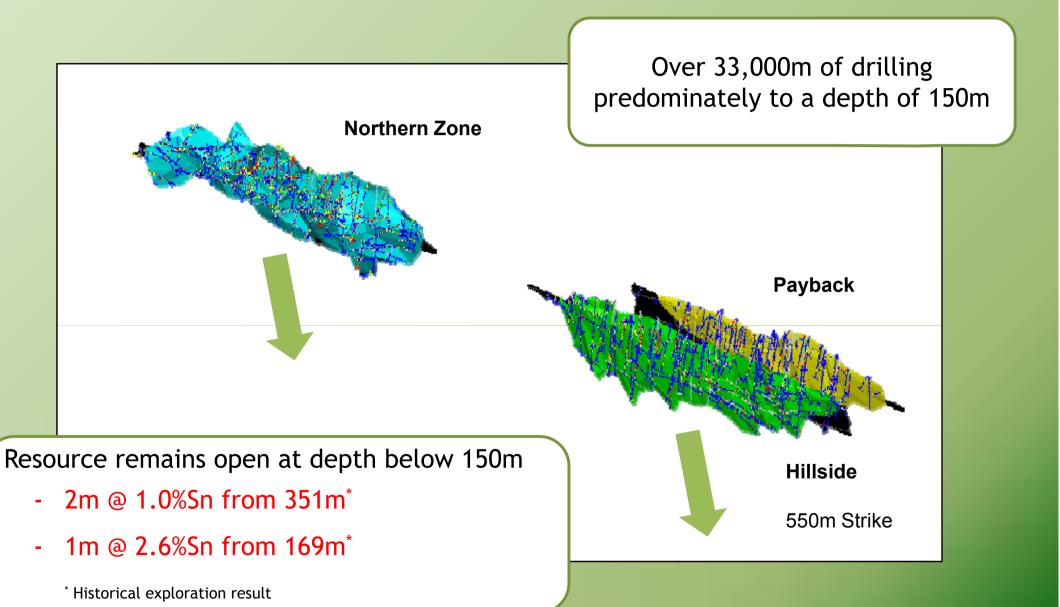


# Close to existing infrastructure



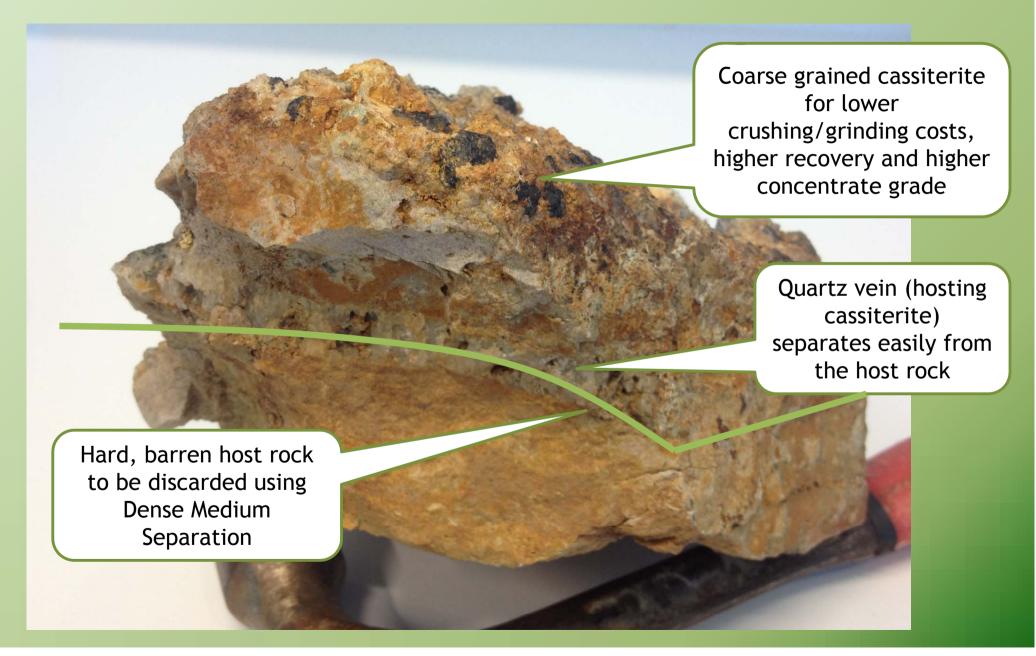


## Large discrete zones of mineralisation outcropping at surface



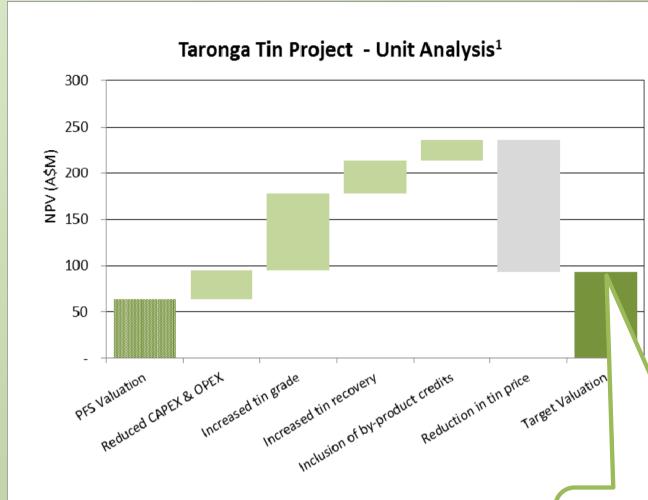


#### Coarse cassiterite (tin) leading to simple beneficiation & extraction





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



Pre-Feasibility Study (2014) identified several areas of potential upside

- Reduced CAPEX & OPEX
- Increased resource grade
- Increased beneficiated feed grade
- Increased tin recovery
- Recovery of by-product credits, including copper, silver, molybdenum & tungsten

Even at low tin prices
Taronga valuation could be
close to \$100M



<sup>&</sup>lt;sup>1</sup> Details are provided on Slide 21

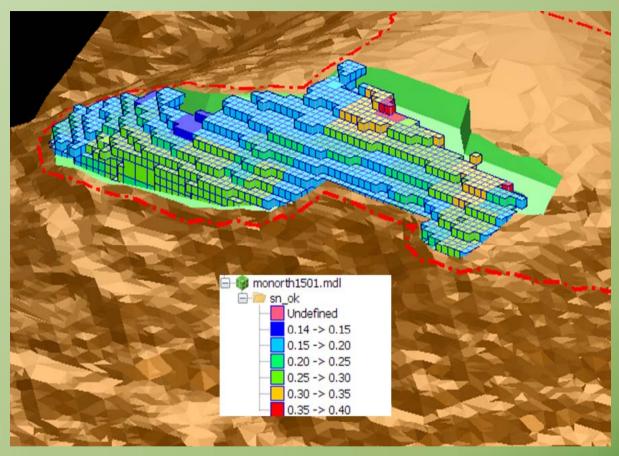
#### Next step is to assess areas of potential upside at Taronga

#### Stage 1 Development<sup>1</sup>

- Trial mining of @330kt @
   0.24%Sn from within Ore
   Reserves (2012 JORC)
- High grade / low strip ratio
- Pilot scale ore processing

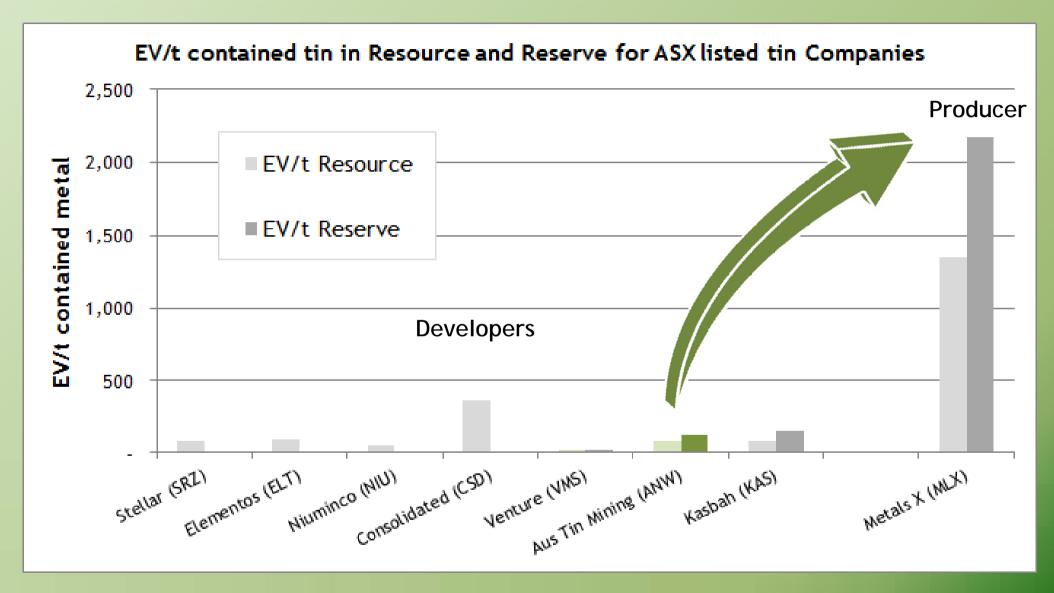
#### Deliverables to include

- Resource reconciliation for tin (to evaluate higher resource grade)
- Metallurgical data for tin recoveries (targeting improved beneficiation & recovery of finer tin) and recovery copper, silver, tungsten and molybdenum for by-product credits
- Expected to generate sufficient revenues to meet all capital and operating costs
   associated with trial, even at current tin price





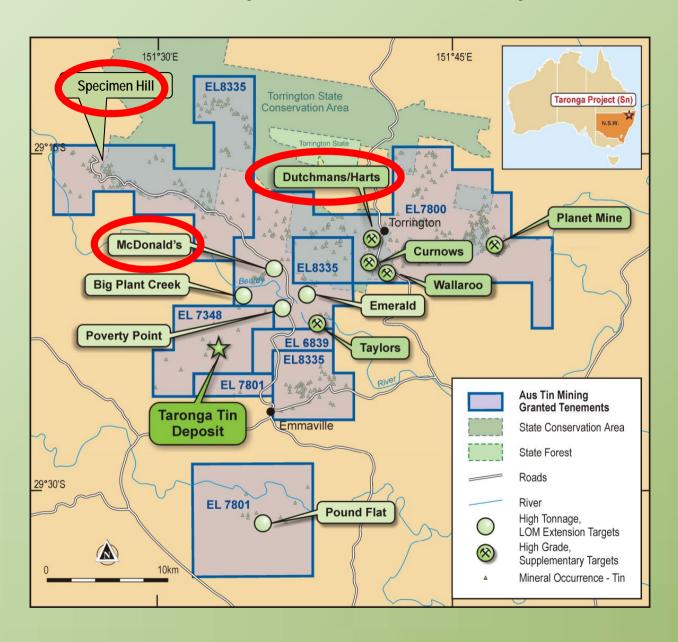
#### ANW value set to re-rate on commencement of Stage 1 Production



Peer multiple based on closing data for 14/7/15, MLX EV based on analyst average Enterprise Value for 50% of Renison assets only



#### Increased value potential also via exploration success



#### **Active Program underway**

- Drilling at McDonalds (LOM extension target)
- Approvals / drilling at Harts/Dutchman (high grade supplementary feed)
- Approvals / field
   reconnaissance at Specimen
   Hill (high grade
   supplementary feed)



### Four reasons to buy Aus Tin Mining

- ✓ Tin price set for a correction given the anticipated supply deficit
- ✓ Taronga Tin Project well located in ex mining jurisdiction and only one of two Australian tin projects with Ore Reserves (JORC 2012)
- ✓ Areas of value upside at Taronga Tin Project have been identified and a program of work (trial mining) is being progressed
- ✓ Re-rating in share price due on commencement of production and/or exploration success

Thank you and for further details please contact see us at Booth 29

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# **Taronga Valuation metrics**

- PFS valuation of A\$63M (pre-tax) but on conservative study and excluding any upside
- Target valuation of A\$93.7M (pre-tax) using a tin price of US\$15,979/t

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	0.19	Independent geologist estimates grade could be up 30% higher (0.25%Sn)
Recovery (%Sn)	70	75	Potential to recover additional fine tin from gravity & flotation
Annual Prod (t Sn)	2,790	3,550	
Opex (A\$/t)	20.0	17.1	Potential to reduce OPEX, beneficiation review underway
Capex (A\$m)	88	81	Potential to reduce CAPEX, review underway
Tin price (A\$/t)	27,778	20,800	US\$ price expected to rise in 2015; AUD:USD expected to depreciate
LOM Sn Revenue (A\$M)		676.2	Increase recovery
LOM Cu Revenue (A\$M)	-	43.2	Increase recovery
LOM Ag Revenue (A\$M)	-	21.6	Increase recovery
C3 Cash cost (US\$/t)	20,010	11,645	Second quartile
NPV (A\$M @ 8%)	63.2	93.7	

