



ASX Release: 31 October 2018

## Quarterly Activities Report - Period Ended 30 September 2018

**Aus Tin Mining Ltd**  
("the Company")

**ASX CODE: ANW**

### At Time of Publication

**Shares on Issue**  
1,978 million

**Unlisted Options**  
210 million (@ \$0.02)

**Market Capitalisation**  
\$35M (at \$0.017/share)

### **DIRECTORS**

Brian Moller (Chairman)  
Nick Mather  
John Bovard  
Richard Willson

### **CHIEF EXECUTIVE OFFICER**

Peter Williams

### **COMPANY SECRETARY**

Karl Schlobohm

### **CONTACT DETAILS**

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### **HIGHLIGHTS**

- **Mining commenced at Granville open-cut**
- **Mining Lease granted for Taronga Stage 1 Project**
- **Modelling of geophysics data completed and drilling program to be undertaken at Mt Cobalt and Pembroke**

### **REVIEW OF ACTIVITIES - SUMMARY**

#### **Granville Tin Project**

During the quarter the mining contractor completed pre-production works at the open-cut mine and commenced waste mining via a cut-back on the eastern wall. The contractor is mobilising additional equipment to increase productivity ahead of ore mining.

Following improved weather in October the contractor is working towards the completion of the new Tailings Storage Facility (TSF) also ahead of ore mining.

#### **Taronga Tin Project**

During the quarter the Company was granted Mining Lease (ML 1774) which comprises 76.5ha over the northern zone of the Taronga Mineral Resource. Granting of ML 1774 represents a major milestone for the Taronga Stage 1 Project as the Company plans to undertake a trial mine and pilot plant to evaluate areas of potential upside including resource grade, tin recovery and recovery of by-product credits identified in the 2014 Pre-Feasibility Study.

During the quarter the Company also undertook pilot scale ore-sorting test work and the positive results received included significant waste rejection and grade uplift of sorted product.

#### **Mt Cobalt**

During the quarter the Company completed an Induced Polarisation (IP) survey at Mt Cobalt and completed 3D modelling of all geophysics data. The modelling identified elevated magnetic susceptibility along a 3.1km trend, including three discrete targets of high magnetic susceptibility which may indicate the presence of sulphides. The Company is finalising preparations for a drill program comprising nine holes to test targets at both Mt Cobalt and Pembroke prospects.

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## JUNE QUARTER 2018 ACTIVITIES

### Granville Tin Project (TAS)

During the quarter the Company completed pre-production works at the Granville East Mine (including construction of water management infrastructure and waste rock emplacement) and commenced waste mining via the cut-back of the eastern wall. Four benches of waste material are to be mined before ore is accessed, and at the time of this report the mining contractor had commenced the third waste bench. The mining contractor has recently mobilised a larger blast drill rig to improve productivity, and a second truck is being mobilised. The mining contractor will mobilise crushing plant in the coming weeks ahead of ore mining.



**Figure 1 – Atlas Copco blast hole (production) drill recently deployed to Granville East Mine**

The priority for the mining contractor during the quarter was waste mining at the open-cut, however, following improved weather in October the contractor is working towards completion of the new Tailings Storage Facility (TSF). The wall of the new TSF has largely been constructed to a height of RL 199m compared with the final design height of RL 202.5m and the liner installation is scheduled to commence in November.

During the quarter the process plant treated a small quantity of low-grade material to facilitate commissioning of new equipment for the materials handling of coarse oversize (scats) and prepare for a resumption of expanded operations.

### **Taronga & Torrington Tin Project (NSW)**

During the quarter the Company was granted Mining Lease (ML 1774) to 21 December 2029 which comprises 76.5ha over the northern zone of the Taronga Mineral Resource. Granting of ML 1774 represents a major milestone for the Taronga Stage 1 Project as the Company plans to undertake a trial mine and pilot plant to evaluate areas of potential upside including resource grade, tin recovery and recovery of by-product credits identified in the 2014 Pre-Feasibility Study.

Subject to obtaining all regulatory approvals the Company is targeting ore production by the end of the calendar year, with the outstanding regulatory approvals summarised below:

- Application for the construction certificate with the Glen Innes Severn Council has been submitted;
- Applications for the water use licence and supply works have been submitted to the Natural Resource Access Regulator and are currently being assessed;
- Application for the Environmental Protection Licence was submitted to the Environment Protection Authority during August and is currently being assessed; and
- A draft Mining Operations Plan (MOP) has been submitted to the Department of Planning and Environment.

During the quarter the Company also received positive results for pilot scale ore sorting test work. Of note was the significant mass rejection (up to 66 percent) to waste and the significant uplift (up to 3x) in the grade of sorted material, both of which could either reduce the scale of the downstream processing plant (and associated capital costs) and/or enable an increased plant throughput. In the coming weeks the Company will evaluate whether to process with an ore-sorting trial in conjunction with the Stage 1 Project, including considerations for additional costs and existing approvals.



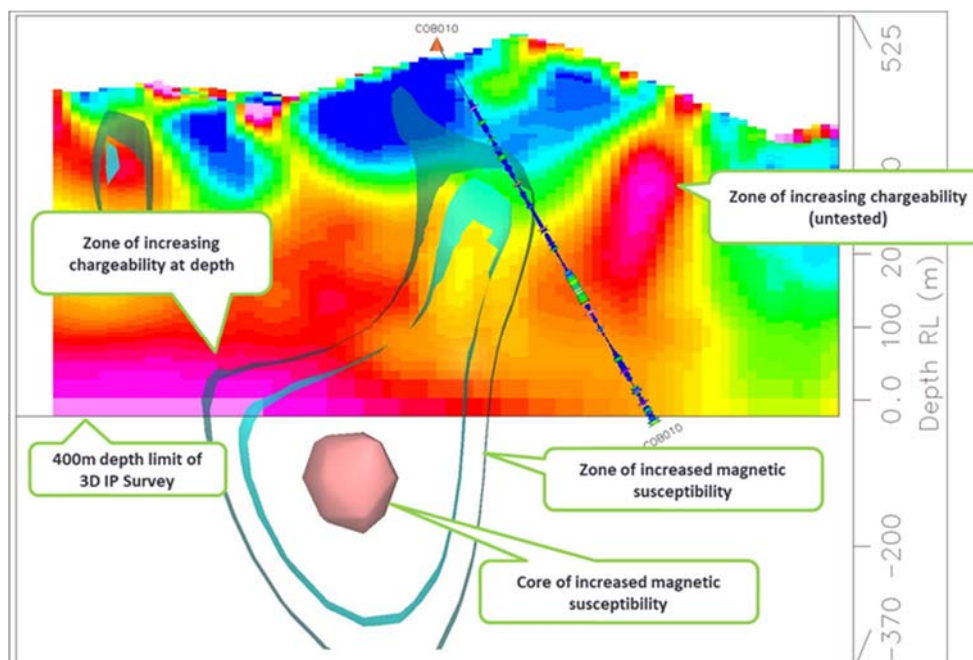
**Figure 2: TOMRA 1200 XRT Ore Sorter and ancillary equipment**

## Mt Cobalt

During the quarter the Company completed an Induced Polarisation (IP) survey at Mt Cobalt and completed 3D modelling of all geophysics data. The modelling identified elevated magnetic susceptibility along a 3.1km trend, including three discrete targets of high magnetic susceptibility which may indicate the presence of sulphides.

A review of magnetic susceptibility and VTEM resistivity data in combination with geochemistry and drill logs also identified two structures that may host the additional shear zones. Previous drilling has confirmed the shear zones host the high cobalt grade mineralisation at Mt Cobalt which is interpreted result from the concentration of mineralised meteoric waters rising through the shear zone.

The Company is finalising preparations for a program of up to nine drill holes to test targets at Mt Cobalt and Pembroke prospects. At Mt Cobalt, up to three holes will be drilled targeting potential host shear zones and two holes targeting deeper magnetic and conductivity targets which may indicate the presence of sulphides. At Pembroke, up to three holes will be drilled targeting potential host shear zones based on field reconnaissance and an area of anomalous cobalt in soil results and one hole targeting both deeper magnetic and conductivity targets which may indicate the presence of sulphides.

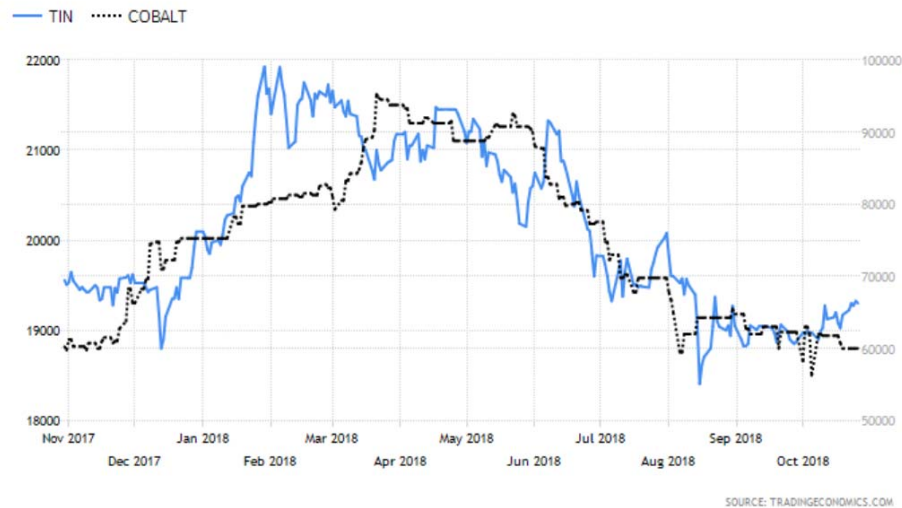


**Figure 3: Mt Cobalt Magnetic MVI inversion overlaid on Chargeability Inversion Model (IP Survey 2018) – east/west section at 7102425N**

During the quarter the Company also continued to progress the definition of a significant polymetallic mineral system around the edges of the Black Snake Porphyry which is interpreted to have driven concentration of high cobalt, nickel, copper, silver and gold background values in the greenstone country rock representing an outcropping mantle over a northerly plunging nose of the Station Creek Adamellite and the Black Snake Porphyry. A review of global nickel-cobalt deposits was undertaken to identify comparable deposits and help frame geological models and exploration techniques. The occurrence of cobalt enriched mineralisation at discrete locations along the north-south trend is comparable with the nickel-cobalt mineralisation at Konimabo in New Caledonia.

**Commodities Market**

Both the tin and cobalt price (US\$/t) traded in a downward trend for most of the quarter (Figure 4) reflecting general weakness in base metals prices associated with escalating trade tensions between the United States, China and Europe and an appreciating US dollar. Tin prices increased to above US\$19,000/t in October following reduced tin supply out of Indonesia attributable to ISDX exchange controls over supply from private smelters.



**Figure 4 – 12 month tin and cobalt prices**

**Tenement Management**

The Company’s interest in tenements for the quarter is outlined in the attached Appendix 1.



On behalf of the Board  
 KM Schlobohm  
 Company Secretary



### Forward Looking Statement

This announcement 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.

Additionally, Aus Tin Mining makes no representation or warranty, express or implied, in relation to, and no responsibility or liability (whether for negligence, under statute or otherwise) is or will be accepted by Aus Tin Mining or by any of their respective officers, directors, shareholders, partners, employees, or advisers as to or in relation to the accuracy or completeness of the information, statements, opinions or matters (express or implied) arising out of, contained in or derived from this presentation or any omission from this presentation or of any other written or oral information or opinions provided now or in the future to any interested party or its advisers. In furnishing this presentation, Aus Tin Mining undertakes no obligation to provide any additional or updated information whether as a result of new information, future events or results or otherwise.

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.

### Competent Persons Statement

The information in this presentation that relates to 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 [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 7<sup>th</sup> 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.

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Company Secretary, Aus Tin Mining Limited

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**Appendix: 1 Details of Exploration Tenements Held by Aus Tin Mining Limited**

**Mining Leases /Exploration Licences held at 30 September 2018**

Tenement	Location	% Interest	Grant Date	Renewal Submitted	Expiry Date
2M/2018	TAS (Zeehan)	100%	Replaces 21M/2003 & 9M/2006		05.03.22
32M/1988	TAS (Zeehan)	100%		17.08.16	
EPM 19366	QLD (Kilkivan)	100%	09.08.12		08.08.19
ML 1774	NSW (Emmaville)	100%	23.09.18		21.12.29
EL 8407	NSW (Emmaville)	100%	04.11.15		04.11.18
EL 7800	NSW (Emmaville)	100%	04.07.11		04.07.19
EL 7801	NSW (Emmaville)	100%	04.07.11	03.07.18	
EL 8335	NSW (Emmaville)	100%	05.01.15		05.01.21
EL 8637	NSW (Emmaville)	100%	31.08.17		31.08.20
EL 8639	NSW (Emmaville)	100%	31.08.17		31.08.20

**Mining Lease / Exploration Licences acquired during the period**

Tenement	Location	% Interest	Grant Date	Application Date	Expiry Date
ML 1774	NSW (Emmaville)	100%	23.09.18		21.12.29

**Exploration Licences surrendered during the period**

Tenement	Location	% Interest	Grant Date	Surrender Date	Expiry Date
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**Mining Lease / Exploration Licences Applications outstanding for the period**

Tenement	Location	% Interest	Grant Date	Application Date	Expiry Date
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