

ASX/Media Release  
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## METALLURGICAL TESTWORK FORECASTS HIGH TIN RECOVERIES AT MT GARNET TIN PROJECT

### Key Points

- Comprehensive metallurgical testwork supports recovery of saleable tin concentrates and iron oxide concentrates
- Projected tin recovery, based on results to date, is 68%, with tin recovered into a gravity concentrate, a flotation concentrates and tin fume concentrate
- High grade magnetite concentrates, of >65%Fe, are also recovered
- The metallurgical testwork has provided the input for a flowsheet design
- Based on this flowsheet with initial throughput 700,000 tonnes per annum, with head grade of 0.6% Sn, projected production would be 3,175 tonne of contained tin metal in concentrate and 326,000 tonne of magnetite
- The recoveries, metal prices and cost of capital items in the flowsheet provide input into a Scoping Study
- Mt Garnet project has a JORC Resource of 5.27Mt @ 0.64% Tin; this includes a JORC Measured Resource of @ 1.2 million tonnes @ 0.82% Tin
- Detailed bulk tonnage metallurgical testwork is planned to confirm recoveries

Australian Tin exploration and development company Consolidated Tin Mines (ASX: CSD) is pleased to announce very positive results from its comprehensive metallurgical test work program at the Company's Mt Garnet Tin Project, near Mt Garnet in north Queensland.

The Company's metallurgical test work has provided input to forecast high tin recoveries of 68.15% total tin from the Mt Garnet project. The test work, based on this projection could produce a total of 3,175 tonnes of tin metal in concentrate per annum, on an initial throughput of 700,000 tonnes per annum. (Note: 700,000tpa was used for this study. Actual annual throughput has yet to be optimised, but is expected to be around 1mtpa.)

The project also contains a significant magnetite iron deposit, and the metallurgy program forecast a total of 326,000 tonnes of magnetite concentrate, grading higher than 65% iron, could be extracted per annum.

The Company views the metallurgical aspects of the project as being a key component of its development plans for the Mt Garnet project. The results further confirm the potential for the project to be developed into a large scale, low cost, hard rock tin mining operation.

The Company's metallurgical test work program has been designed to evaluate appropriate routes to secure commercially viable recovery of tin at the project. This has led to the development of a comprehensive process and flow sheet for the long term commercial extraction of large scale marketable levels of tin.

The preliminary mining flow sheet has now been completed and is available for review on CSD web site under Investor information/Metallurgy.

The metallurgical test work results will form part of a Scoping Study on the Mt Garnet project, which is due to be finalised later this week.

Consolidated Tin managing director Ralph De Lacey said: "We are delighted with the results of our metallurgy test work at the Mt Garnet project. This marks a major milestone in the development pathway of the project for the extraction of high levels of tin concentrate. We now look forward to finalising the Scoping Study which will provide details on the major potential financial benefits of the project as a large scale hard rock tin mining operation."

The Mt Garnet project has a **total JORC Resource of 5.27Mt @ 0.64% Tin**. This includes a **JORC Measured Resource of @ 1.2 million tonnes @ 0.82% Tin**, and **JORC Indicated Resource of 824,100 tonnes @ 0.73% Tin**. The project area is made of three principle projects – Gillian, Pinnacles and Deadmans Gully. The Gillian Project is the Company's most advanced project.

The Mt Garnet Project area is also highly prospective for iron mineralisation, and also has a **JORC Iron resource of 5.3Mt @ 26.48% Iron (Fe)**.

The Company is currently undertaking a capital raising by way of an Entitlement Issue, to raise up to \$2.16 million. The funds will be used to fund feasibility study work at the project.

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The information contained in this report that relates to assay results of rock samples and drill chips, to mineral resource estimates and to ore reserve estimates of mineralisation is based on information compiled by John Sainsbury (BSc, AusIMM) an executive director of Consolidated Tin Mines Limited. John Sainsbury is a geologist of 30 years experience and has sufficient experience in the type of mineralisation under consideration to qualify as a Competent Person as defined by the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves - JORC Code, 2004 Edition. John Sainsbury has consented to the inclusion of this information in the form and context in which it appears.

<b>TIN (Sn)</b>	Measured tonnes	Grade %	Indicated tonnes	Grade %	Inferred tonnes	Grade %	<b>Total tonnes</b>	<b>Grade %</b>
Gillian	1,203,000	0.82	824,100	0.73	974,100	0.83	<b>3,001,200</b>	<b>0.80</b>
Pinnacles - Wafer	-	-	218,200	0.49	1,133,100	0.39	<b>1,351,300</b>	<b>0.41</b>
Pinnacles - Sniska	-	-	-	-	306,900	0.32	<b>306,900</b>	<b>0.32</b>
Pinnacles - Hartog	-	-	-	-	212,700	0.51	<b>212,700</b>	<b>0.51</b>
Deadmans Gully	-	-	401,500	0.49	-	-	<b>401,500</b>	<b>0.49</b>
<b>TOTAL</b>	<b>1,203,000</b>	<b>0.82</b>	<b>1,443,800</b>	<b>0.63</b>	<b>2,626,800</b>	<b>0.56</b>	<b>5,273,600</b>	<b>0.64</b>

<b>IRON (Fe)</b>	Measured tonnes	Grade %	Indicated tonnes	Grade %	Inferred tonnes	Grade %	<b>Total tonnes</b>	<b>Grade %</b>
Gillian	1,203,000	31.35	824,100	29.75	974,100	30.98	<b>3,001,200</b>	<b>30.79</b>
Pinnacles - Wafer	-	-	218,200	20.21	1,133,100	27.88	<b>1,351,300</b>	<b>16.87</b>
Pinnacles - Sniska	-	-	-	-	306,900	22.90	<b>306,900</b>	<b>22.90</b>
Pinnacles - Hartog	-	-	-	-	212,700	13.75	<b>212,700</b>	<b>13.75</b>
Deadmans Gully	-	-	401,500	34.89	-	-	<b>401,500</b>	<b>34.89</b>
<b>TOTAL</b>	<b>1,203,000</b>	<b>31.35</b>	<b>1,443,800</b>	<b>29.73</b>	<b>2,626,800</b>	<b>27.30</b>	<b>5,273,600</b>	<b>26.39</b>

#### ABOUT CONSOLIDATED TIN MINES LIMITED

The Company's goal is to become Queensland's premier tin producing company. Consolidated Tin's short to medium term goals are:

- To further expand resources across its three key projects; Gillian, Pinnacles and Windermere
- Develop a hard rock mining operation
- Develop a centrally located mill capable of 1Mtpa
- Develop an alluvial mining operation
- Explore other known mineralisation in current tenement holding to provide resource expansion and additional mine life.